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Jennifer C. Sedlachek  
Project Manager



January 30, 2006

Mr. Jim Tischler  
California Regional Water Quality Control Board  
North Coast Region  
5550 Skylane Boulevard, Suite A  
Santa Rosa, California 95403

**RE: Former Exxon RAS #7-0276/1400 Farmers Lane, Santa Rosa, California.**

Dear Mr. Tischler:

Attached for your review and comment is a copy of the letter report entitled *Work Plan for Additional Soil and Groundwater Investigation*, dated January 30, 2006, for the above-referenced site. The report was prepared by Environmental Resolutions, Inc. (ERI) of Petaluma, California, and details proposed activities for the subject site.

If you have any questions or comments, please contact me at 510.547.8196.

Sincerely,

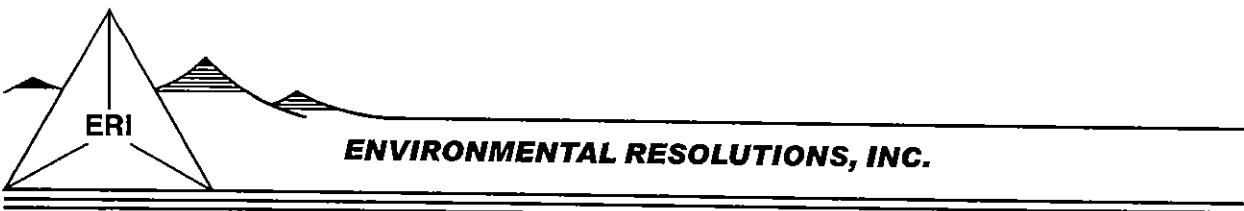
A handwritten signature in black ink, appearing to read "JCS". Below the signature, the word "FOR" is handwritten in capital letters.

Jennifer C. Sedlachek  
Project Manager

Attachment: ERI's Work Plan for Additional Soil and Groundwater Investigation, dated January 30, 2006.

cc: w/ attachment  
Mr. Paul Lowenthal, City of Santa Rosa Fire Department  
Mr. Joseph A. Aldridge, Valero Energy Corporation

w/o attachment  
Ms. Paula Sirne, Environmental Resolutions, Inc.



January 30, 2006  
ERI 203403.W10

Ms. Jennifer C. Sedlachek  
ExxonMobil Refining & Supply-Global Remediation  
4096 Piedmont Avenue #194  
Oakland, California 94611

**SUBJECT** Work Plan for Additional Soil and Groundwater Investigation  
Former Exxon Service Station 7-0276  
1400 Farmers Lane, Santa Rosa, California

Ms. Sedlachek:

At the request of Exxon Mobil Corporation (Exxon Mobil), Environmental Resolutions, Inc. (ERI) has prepared this work plan for an additional soil and groundwater investigation at the subject site. This work plan was prepared in response to a letter from the California Regional Water Quality Control Board, North Coast Region (Regional Board), dated December 1, 2005 (Attachment A). The purpose of this investigation is to allow for a more accurate delineation of hydrocarbon concentrations adjacent to the northern edge of the site.

## BACKGROUND

The site is a Valero-branded service station, located on the southeastern corner of Farmers Lane and Hoen Frontage Road in Santa Rosa, California, as shown on the Site Vicinity Map (Plate 1). The locations of the existing USTs, dispenser islands, groundwater monitoring wells, and other select site features are shown on the Generalized Site Plan (Plate 2). Properties in the vicinity of the site are occupied by commercial developments.

Texaco Oil Company originally operated the station. Exxon Mobil acquired the station and facilities in 1988, and transferred ownership to Valero Refining Company in June 2000. An abbreviated site history follows.

June 1988	Wells MW1 through MW6 installed. Groundwater monitoring and sampling initiated.
August 1988	Wells MW7 through MW12 installed.
April 1990	Wells MW13 and MW14 installed.
November 1990	Product lines and dispensers replaced; approximately 30 cubic yards of soil removed from beneath the north dispenser island.
February 1991	Well RW1 installed.
March 1991	Constant-discharge groundwater pumping test conducted.
November 1995	Air sparge (AS) and groundwater recovery remediation system started.
September 1997	AS and groundwater recovery remediation system shut down.
August 1998	Two-day soil vapor extraction pilot test conducted.

June 2000	Well MW15 installed; soil boring B17 advanced.
November 2000	Sensitive receptor survey (SRS) performed.
October 2001	Direct-push soil borings GP1 through GP6 advanced off site in the area near well MW10; borings GP7 and GP8 advanced on site.
November 2001	Soil boring B16 advanced off site.
December 2001	Soil boring B18 advanced off site.
August 2003	Groundwater recovery well RW1 destroyed by overdrilling and replaced with groundwater recovery well RW1A.
October 2003	Wells MW16 and MW17 installed. 24-hour dual-phase extraction pilot test conducted.
October 2004	Well MW18 installed.
December 2004	Natural attenuation parameter investigation conducted.
August 19, 2005	Soil borings B19 through B25 advanced on site.

The site currently has 11 on-site groundwater monitoring wells (MW1 through MW9, MW16, and MW17), seven off-site groundwater monitoring wells (MW10 through MW15 and MW18), one groundwater recovery well (RW1A), and four UST observation wells (TP1, TP2, MW4A, and MW5A). Monitoring wells MW1 through MW14, MW4A, and MW5A are screened across coarse-grained sediment layers within an upper water-bearing zone. Monitoring wells MW16 through MW18 are screened across deeper coarse-grained sediment layers within a lower water-bearing zone.

Historical and recent groundwater monitoring and sampling data are summarized in Tables 1A and 1B. Well construction details are presented in Table 2. Cumulative analytical results of grab groundwater samples are presented in Tables 3A and 3B. Cumulative results of soil samples are presented in Tables 4A and 4B. Select soil analytical results from Borings B19 through B25 are shown on Plate 3. Select groundwater analytical results from those borings and third quarter 2005 are shown on Plate 4.

## SITE CONDITIONS

Based on the results of previous assessment activities, the site and vicinity are underlain by a heterogeneous mixture of sand, silt, clay, and gravel from ground surface to 60 feet below ground surface (fbgs), the maximum depth explored. The depth to groundwater beneath and in the vicinity of the site has historically ranged between approximately 0 to 11 fbsgs. The predominant groundwater flow direction is towards the west-northwest. A groundwater elevation map is shown on Plate 5

### Groundwater

Analyses of groundwater samples collected from the wells and grab groundwater samples indicate the presence of dissolved fuel hydrocarbons and related constituents, including total petroleum hydrocarbons as diesel (TPHd); total petroleum hydrocarbons as gasoline (TPHg); benzene, toluene, ethylbenzene, and total xylenes (BTEX); methyl tertiary butyl ether (MTBE); and tertiary butyl alcohol (TBA). Cumulative groundwater monitoring and sampling data are summarized in Table 1A and Table 1B. Grab groundwater results are presented in Tables 3A and 3B.

## **Soil**

During previous investigations, TPHd, TPHg, BTEX, MTBE, and TBA have been detected in soil samples from the site. As noted above, the groundwater elevation periodically reaches the ground surface. Therefore, soil containing hydrocarbon concentrations has been intermittently submerged. Soil sample results are presented in Tables 4A and 4B.

## **PROPOSED INVESTIGATION**

This work plan proposes to assess soil and groundwater immediately north of the northern planter and along Hoen Frontage Road. ERI proposes to advance five shallow soil borings along the southern side of Hoen Frontage Road and collect soil and grab groundwater samples for laboratory analysis. The maximum concentrations of hydrocarbon constituents in both soil and groundwater are centered in the area west of the underground storage tanks (USTs) and north of the northern dispenser island. Plates 6 through 9 show isoconcentration maps for select constituents in groundwater. Previous investigations have vertically defined soil and groundwater hydrocarbon concentrations in this area and have defined the area of maximum concentration to the east, west, and south of this area. Though groundwater monitoring wells MW11 and MW12 define this zone to the north, on the northern side of Hoen Frontage Road, there is no data immediately north of and adjacent to the site. Results of the investigation will assist in evaluating remedial options, including placement and construction of potential additional groundwater recovery well(s).

ERI and the drilling contractor will perform fieldwork in accordance with this work plan, ERI's Field Protocol (Attachment B), and a site-specific health and safety plan. ERI will perform the tasks described in the following subsections.

### **Task 1: Soil and Groundwater Grab Sampling**

Five soil borings (B30 through B34) will be advanced off-site downgradient of the existing USTs and fuel dispensers. Soil and grab groundwater samples will be collected for laboratory analysis. The proposed soil boring locations are shown on Plate 2.

As part of the soil boring activities, ERI will:

- Prepare an application and obtain a permit from the County of Sonoma Department of Health Services (the County), to advance five off-site soil borings (B30 through B34).
- Negotiate and execute an encroachment permit for the off-site borings.
- Mark the boring locations, and contact Underground Service Alert (USA) at least 48 hours before fieldwork begins.
- Obtain the services of a private utility locator to clear the borehole locations of utilities and contract with a saw cutter to remove any asphalt or concrete surface cover at each borehole.
- Obtain the services of a licensed well driller and observe the advancement of five off-site borings using a combination of hand tools, vacuum excavation equipment, and direct-push equipment. The initial 4 to 8 feet of the borings will be cleared using hand tools and/or vacuum excavation equipment. Hand tools or direct-push equipment will be used to collect soil samples from 5 to 10 fbgs. Soil borings will be advanced to a maximum depth of approximately 10 feet bgs.
- Collect and visually examine soil samples from each boring to construct a boring log, and screen select samples with a photo-ionization detector (PID). Soil samples will be identified using visual and manual methods, and classified according to the Unified Soil Classification System (USCS). Soil samples will be collected from the boreholes from immediately above groundwater, where possible, and at approximately 5 and 10 fbgs, and retained for laboratory analysis. Soil samples submitted for laboratory analysis will be collected using methods in accordance with EPA Method 5035.

- Collect grab groundwater samples from first-encountered groundwater through installation of a temporary polyvinyl chloride (PVC) well screen to facilitate grab groundwater sampling. In addition collect a grab groundwater sample at approximately 12 feet bgs, by utilizing a hydropunch or similar technology. Upon completion of sampling, the borehole will be grouted with neat cement and the surface will be restored to match the surrounding ground surface.
- Submit select soil and groundwater samples collected from the soil borings to a California state-certified analytical laboratory, under Chain-of-Custody protocol. Samples will be submitted for analysis for TPHd and TPHg using EPA Method 8015B, and BTEX, fuel oxygenates (MTBE, tertiary butyl alcohol [TBA], tertiary amyl methyl ether [TAME], ethyl tertiary butyl ether [ETBE], and di-isopropyl ether [DIPE]), and lead scavengers (1,2-dichloroethane [1,2-DCA] and 1,2-dibromoethane [EDB]), using EPA Method 8260B.

## **Task 2: Report Preparation**

ERI will prepare a report documenting the results of the shallow soil and groundwater investigation. The report will describe field and laboratory methods; results of laboratory analyses of soil and groundwater samples; and ERI's findings, conclusions, and recommendations for additional work, if any, within 60 days of the completion of the field work. Within 30 days following the submittal of the of this field investigation report an Addendum to the Corrective Action Plan will be submitted.

ERI will notify the Regional Board in writing of any delays associated with acquisition of off-site access agreements or encroachment permits.

## **DOCUMENT DISTRIBUTION**

ERI recommends that a signed copy of this Work Plan be forwarded to the following:

Mr. Jim Tischler  
California Regional Water Quality Control Board  
North Coast Region  
5550 Skylane Boulevard, Suite A  
Santa Rosa, California 95403

Mr. Paul Lowenthal  
City of Santa Rosa Fire Department  
955 Sonoma Avenue  
Santa Rosa, California 95404

Mr. Joseph A. Aldridge  
Valero Energy Corporation  
685 West Third Street  
Hanford, California 93230

## **LIMITATIONS**

This report was prepared in accordance with generally accepted standards of environmental practice in California at the time this investigation was performed. This report has been prepared for Exxon Mobil, and any reliance on this report by third parties shall be at such party's sole risk.

Please contact Ms. Paula Sime, ERI's project manager for this site, at (707) 766-2026 with any questions regarding this Work Plan.

Sincerely,  
Environmental Resolutions, Inc.

*R. West*  
for  
Rebekah Westrup  
Senior Staff Geologist

*G. Waterhouse*

**SCANNED IMAGE**

Geoffrey V. Waterhouse  
P.G. 5019  
C.HG. 334  
C.E.G. 1561



- Attachments:
- Table 1A: Cumulative Groundwater Monitoring and Sampling Data
  - Table 1B: Additional Cumulative Groundwater Monitoring and Sampling Data
  - Table 2: Well Construction Details
  - Table 3A: Analytical Laboratory Results of Grab Groundwater Samples
  - Table 3B: Additional Analytical Laboratory Results of Grab Groundwater Samples
  - Table 4A: Analytical Laboratory Results of Soil Samples
  - Table 4B: Additional Laboratory Results of Soil Samples
  
  - Plate 1: Site Vicinity Map
  - Plate 2: Generalized Site Plan
  - Plate 3: Select Soil Analytical Results
  - Plate 4: Select Groundwater Analytical Results
  - Plate 5: Groundwater Elevation Map
  - Plate 6: TPHd Isoconcentration Map
  - Plate 7: TPHG Isoconcentration Map
  - Plate 8: MTBE Isoconcentration Map
  - Plate 9: Benzene Isoconcentration Map
  
  - Attachment A: Regulatory Correspondence
  - Attachment B: Field Protocol

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0276  
1400 Farmers Lane  
Santa Rosa, California  
(Page 1 of 25)

Well ID # (TOC)	Sampling Date	SUBJ	DTW (fbgs)	GW Elev. (feet)	TPHd	TPHg	MTBE 8021B	MTBE 8260B	B μg/L	T	E	X
MW1 (201.39)	06/22/88	NLPH	3.10	198.29	—	42,000	—	—	1,800	total BTEX	—	—
	09/02/88	NLPH	4.74	196.65	—	—	—	—	—	—	—	—
	01/26/89	NLPH	2.02	199.37	—	280	—	—	13	total BTEX	—	—
	02/18/90	NLPH	1.87	199.52	—	—	—	—	—	—	—	—
	03/13/90	NLPH	1.91	199.48	—	—	—	—	—	—	—	—
	03/27/89	NLPH	1.67	199.72	—	—	—	—	—	—	—	—
	04/25/89	NLPH	2.13	199.26	—	120	—	—	9	total BTEX	—	—
	07/26/89	NLPH	2.97	198.42	—	86	—	—	11	total BTEX	—	—
	10/24/89	NLPH	2.19	199.20	—	220	—	—	18	total BTEX	—	—
	12/18/89	NLPH	2.69	198.70	—	—	—	—	—	—	—	—
	01/26/90	NLPH	2.24	199.15	—	95	—	—	9	total BTEX	—	—
	04/19/90	NLPH	2.59	198.80	—	57	—	—	3	total BTEX	—	—
	07/26/90	NLPH	—	—	—	67	—	—	5	<0.3	<0.3	<0.6
	10/11/90	NLPH	—	—	—	88	—	—	10	<0.3	<0.3	0.8
	04/23/91	NLPH	—	—	—	<50	—	—	2.0	<0.5	<0.5	<0.5
	07/25/91	NLPH	—	—	—	88	—	—	5.1	0.6	<0.5	0.5
	10/03/91	NLPH	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	01/20/92	NLPH	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	04/30/92	NLPH	—	—	—	<50	—	—	3.9	1.8	0.8	<0.5
	11/02/92	NLPH	—	—	—	<50	—	—	3.2	1.4	<0.5	<0.5
	12/07/92	NLPH	—	—	—	<50	—	—	2.8	<0.5	<0.5	<0.5
	03/29/93	NLPH	—	—	—	<50	—	—	2.1	1.5	1.8	6
	06/16/93	NLPH	—	—	—	<50	—	—	2.2	<0.5	<0.5	<0.5
	07/26/93	NLPH	—	—	—	61	—	—	8.4	1.1	1.7	2.4
	01/19/94	NLPH	—	—	—	350	—	—	29	0.82	6.1	2.1
	07/25/94	NLPH	—	—	—	100	—	—	4.2	1.5	3.7	9.1
	01/26/95	NLPH	—	—	—	<56	<50	—	<0.5	<0.5	<0.5	<0.5
	07/26/95	NLPH	—	—	—	61	<50	27,000d	—	1.5	<0.5	<0.5
	01/18/96	NLPH	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	01/16/97	NLPH	2.90	198.49	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
	04/21/97	NLPH	3.15	198.24	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
	07/09/97	NLPH	3.17	198.22	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
	10/27/97	NLPH	2.51	198.88	—	—	—	—	—	—	—	—
	03/25/98	NLPH	1.26	200.13	—	<50	—	69	<0.5	<0.5	0.86	1.2
	06/11/98	NLPH	1.45	199.94	—	<50	100	—	<0.5	<0.5	<0.5	<0.5
	09/10/98	NLPH	2.06	199.33	—	<50	95	—	<0.5	<0.5	<0.5	<0.5
	12/15/98	NLPH	1.99	199.40	—	<50	92	—	<0.5	<0.5	<0.5	<0.5
	03/09/99	NLPH	1.22	200.17	—	<50	110	—	<0.5	<0.5	<0.5	<0.5
	06/28/99	NLPH	1.89	199.50	—	<50	28	—	<0.5	<0.5	<0.5	<0.5
	09/21/99	NLPH	2.07	199.32	—	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	12/27/99	NLPH	2.31	199.08	—	<50	54	—	<0.5	<0.5	<0.5	<0.5
	03/27/00	NLPH	1.51	199.88	—	<50	62	—	<0.5	<0.5	<0.5	<0.5
	06/13/00	NLPH	2.10	199.29	—	<50	160	140	<0.5	<0.5	<0.5	<0.5

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0276  
1400 Farmers Lane  
Santa Rosa, California  
(Page 2 of 25)

Well ID # (TOC)	Sampling Date	SUBJ	DTW (fbgs)	GW Elev. (feet)	TPHd <	TPHg	MTBE 8021B	MTBE 8260B	B	T	E	X
									µg/L			
<b>MW1 (cont.) 06/16/00 - Property transferred to Valero Refining Company.</b>												
(201.39)	09/21/00	NLPH	2.10	199.29	—	<50	180	180	<0.5	<0.5	<0.5	<0.5
	12/27/00	NLPH	2.29	199.10	—	<50	370	380	2.8	1.7	<0.5	<0.5
	03/26/01	NLPH	1.76	199.63	—	<50	1,200	1,300	3.9	0.82	0.75	2.17
	06/29/01	NLPH	1.91	199.48	—	<50	2,100	1,200	<0.5	<0.5	<0.5	<0.5
	09/24/01	NLPH	2.33	199.06	—	54	2,300	2,400	3.7	<2.5	<2.5	<2.5
(201.28)	<b>11/01/01 - Well surveyed in compliance with AB 2886 requirements.</b>											
	12/26/01	NLPH	1.26	200.02	60l	<50	1,900	2,000	<0.5	<0.5	<0.5	<0.5
	03/26/02	NLPH	1.55	199.73	<50.0	749	912	1,300	<0.50	<0.50	<0.50	<0.50
	06/24/02	NLPH	1.79	199.49	<52 k	268	335	268	<0.5	<0.5	<0.5	<0.5
	09/23/02	NLPH	1.88	199.40	98	151	188	197	<0.5	<0.5	<0.5	<0.5
	12/31/02	NLPH	1.21	200.07	<50	108	138	134	<0.5	<0.5	<0.5	<0.5
	03/28/03	NLPH	1.50	199.78	<50	59.0	64.5	45.9	<0.50	<0.5	<0.5	<0.5
	06/05/03	NLPH	1.58	199.70	<50	<50.0	26.5	31.0	<0.50	<0.5	0.7	<0.5
	09/09/03	NLPH	1.79	199.49	<50	<50.0	20.5	24.2	<0.50	<0.5	<0.5	<0.5
	12/01/03	NLPH	1.88	199.40	<50	<50.0	10.6	9.30	0.50	<0.5	2.6	0.8
	03/23/04	NLPH	1.61	199.67	<50	<50.0	—	10.9	<0.50	0.6	<0.5	<0.5
	06/16/04	NLPH	1.96	199.32	54	<50.0	5.5	5.3	<0.50	<0.5	<0.5	<0.5
	09/15/04r	NLPH	2.14	199.14	<50	<50.0	—	3.00	<0.50	<0.5	<0.5	<0.5
	12/15/04	NLPH	2.12	199.16	62l	<50.0	—	2.90	<0.50	0.5	<0.5	<0.5
	03/16/05	NLPH	1.62	199.66	<50	<50.0	—	2.70	<0.50	<0.5	<0.5	<0.5
	06/15/05	NLPH	1.56	199.72	t	t	t	t	t	t	t	t
	06/30/05	NLPH	1.65	199.63	<50	<50.0	—	1.60	<0.50	<0.5	<0.5	<0.5
	09/07/05	NLPH	1.80	199.48	<50	<50.0	—	<0.500	<0.50	<0.50	<0.50	<0.50
<b>MW2 (201.51)</b>												
	06/22/88	NLPH	4.6	196.91	—	ND	—	—	ND	ND	ND	ND
	09/02/88	NLPH	4.74	196.77	—	—	—	—	—	—	—	—
	01/26/89	NLPH	4.43	197.08	—	ND	—	—	ND	ND	ND	ND
	03/27/89	NLPH	3.02	198.49	—	—	—	—	—	—	—	—
	04/25/89	NLPH	3.54	197.97	—	ND	—	—	ND	ND	ND	ND
	07/26/89	NLPH	4.48	197.03	—	ND	—	—	ND	ND	ND	ND
	10/24/89	NLPH	3.85	197.66	—	ND	—	—	ND	ND	ND	ND
	12/18/89	NLPH	4.32	197.19	—	—	—	—	—	—	—	—
	01/26/90	NLPH	3.88	197.63	—	ND	—	—	ND	ND	ND	ND
	02/18/90	NLPH	3.40	198.11	—	—	—	—	—	—	—	—
	03/13/90	NLPH	3.51	198.00	—	—	—	—	—	—	—	—
	04/19/90	NLPH	4.14	197.37	—	ND	—	—	ND	ND	ND	ND
	07/26/90	NLPH	—	—	—	<1	—	—	<0.3	<0.3	<0.3	<0.6
	10/11/90	NLPH	—	—	—	<1	—	—	<0.3	<0.3	<0.3	<0.6
	04/23/91	NLPH	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	07/25/91	NLPH	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	10/03/91	NLPH	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	01/20/92	NLPH	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	04/30/92	NLPH	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0276  
1400 Farmers Lane  
Santa Rosa, California  
(Page 3 of 25)

Well ID # (TOC)	Sampling Date	SUBJ	DTW (fbgs)	GW Elev. (feet)	TPHd	TPHg	MTBE		B	T	E	X
							8021B	8260B				
MW2 (cont.)	11/02/92	NLPH	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
(201.51)	12/07/92	NLPH	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	03/29/93	NLPH	—	—	—	<50	—	—	1.6	<0.5	0.9	2.8
	07/26/93	NLPH	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	01/19/94	NLPH	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	07/25/94	NLPH	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	01/26/95	NLPH	—	—	330	78	—	—	<0.5	<0.5	<0.5	0.53
	07/26/95	NLPH	—	—	56	<50	<10,000	—	<0.5	<0.5	<0.5	<0.5
	01/18/96	NLPH	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	01/16/97	NLPH	3.25	198.26	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
	04/21/97	NLPH	3.48	198.03	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
	07/09/97	NLPH	4.07	197.44	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
	10/27/97	NLPH	4.12	197.39	—	—	—	—	—	—	—	—
	03/25/98	NLPH	2.47	199.04	—	<50	—	4.4	<0.5	<0.5	<0.5	<0.5
	06/11/98	NLPH	2.81	198.70	—	<50	<2.5	—	<0.5	<0.5	<0.5	1.1
	09/10/98	NLPH	3.52	197.99	87	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
(201.42)	12/15/98	NLPH	3.09	198.33	—	—	—	—	—	—	—	—
	03/09/99	NLPH	2.48	198.94	—	—	—	—	—	—	—	—
	6/28/99a	NLPH	3.35	198.07	—	—	—	—	—	—	—	—
	09/21/99	NLPH	3.54	197.88	<50	<50	3.22	—	<0.5	<0.5	<0.5	1.44
	12/27/99	NLPH	3.91	197.51	—	—	—	—	—	—	—	—
	03/27/00	NLPH	2.91	198.51	—	—	—	—	—	—	—	—
	06/13/00	NLPH	3.31	198.11	<50	<50	<2	—	<0.5	0.68	<0.5	<0.5
06/16/00 - Property transferred to Valero Refining Company.												
	09/21/00	NLPH	3.67	197.75	82	<50	12	—	<0.5	0.55	<0.5	0.64
	12/27/00	NLPH	3.79	197.63	60e	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	03/26/01	NLPH	3.24	198.18	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	06/29/01	NLPH	3.58	197.84	52	<50	7.4	10	<0.5	<0.5	<0.5	<0.5
	09/24/01	NLPH	3.97	197.45	<50	<50	1,900	2,100	<0.5	<0.5	<0.5	<0.5
(201.37)	11/01/01 - Well surveyed in compliance with AB 2886 requirements.											
	12/26/01	NLPH	2.42	198.95	56i	<50	430	420	<0.5	<0.5	<0.5	<0.5
	03/26/02	NLPH	3.31	198.06	<50.0	<50.0	3.60	4.5	<0.50	<0.50	<0.50	<0.50
	06/24/02	NLPH	3.40	197.97	71 k	<50	54.8	40.8	<0.5	<0.5	<0.5	<0.5
	09/23/02	NLPH	3.54	197.83	54	<50.0	23.0	26.1	<0.5	<0.5	<0.5	0.7
	12/31/02	NLPH	2.11	199.26	<50	<50.0	13.0	12.9	<0.5	<0.5	<0.5	<0.5
	03/28/03	NLPH	3.03	198.34	<50	<50.0	5.1	3.10	<0.50	<0.5	<0.5	0.8
	06/05/03	NLPH	3.07	198.30	<50	<50.0	4.6	8.20	<0.50	<0.5	<0.5	<0.5
	09/09/03	NLPH	3.38	197.99	<50	<50.0	3.0	3.30	<0.50	<0.5	<0.5	<0.5
	12/01/03	NLPH	3.52	197.85	<50	<50.0	5.1	4.80	<0.50	<0.5	<0.5	<0.5
	03/23/04	NLPH	3.08	198.29	<50	<50.0	—	3.50	<0.50	1.3	<0.5	<0.5
	06/16/04	NLPH	3.60	197.77	<50	<50.0	2.3	2.5	<0.50	<0.5	<0.5	<0.5
	09/15/04r	NLPH	3.75	197.62	<50	<50.0	—	2.30	<0.50	<0.5	<0.5	<0.5
	12/15/04	NLPH	3.37	198.00	<50	<50.0	—	3.40	<0.50	<0.5	<0.5	<0.5
	03/16/05	NLPH	3.07	198.30	<50	<50.0	—	2.40	<0.50	<0.5	<0.5	<0.5

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0276  
1400 Farmers Lane  
Santa Rosa, California  
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Well ID # (TOC)	Sampling Date	SUBJ	DTW (fbgs)	GW Elev. (feet)	TPHd <	TPHg	MTBE 8021B	MTBE 8260B	μg/L			
									B	T	E	X
MW2 (cont.) (201.37)	06/15/05	NLPH	2.95	198.42	t	t	t	t	t	t	t	t
	06/30/05	NLPH	3.14	198.23	<50	<50.0	—	2.00	<0.50	<0.5	<0.5	<0.5
	09/07/05	NLPH	3.45	197.92	<50	<50.0	—	1.76	<0.50	<0.50	<0.50	<0.50
MW3 (199.24)	06/22/88	NLPH	0.70	198.54	—	42,000	—	—	1,800	total BTEX	—	—
	09/02/88	NLPH	2.37	196.87	—	—	—	—	—	—	—	—
	01/26/89	NLPH	0.74	198.50	—	35,000	—	—	10,000	total BTEX	—	—
	03/27/89	NLPH	0.00	199.24	—	—	—	—	—	—	—	—
	04/25/89	NLPH	6.60	192.64	—	39,000	—	—	14,000	total BTEX	—	—
	07/26/89	NLPH	0.68	198.56	—	21,000	—	—	6,400	total BTEX	—	—
	10/24/89	NLPH	—	—	—	33,000	—	—	11,000	total BTEX	—	—
	12/18/89	NLPH	0.27	198.97	—	—	—	—	—	—	—	—
	01/26/90	NLPH	0.05	199.19	—	29,000	—	—	13,000	total BTEX	—	—
	02/18/90	NLPH	0.00	199.24	—	—	—	—	—	—	—	—
	03/13/90	NLPH	0.00	199.24	—	—	—	—	—	—	—	—
	04/19/90	NLPH	0.28	198.96	—	8,820	—	—	25,000	total BTEX	—	—
	07/26/90	NLPH	0.30	198.94	—	20,000	—	—	760	1,100	370	1,600
	10/11/90	NLPH	0.48	198.76	—	32,000	—	—	2,400	3,200	810	3,800
	04/23/91	NLPH	0.16	199.08	—	58,000	—	—	2,500	5,300	1,100	7,500
	07/25/91	NLPH	0.93	198.31	—	37,000	—	—	1,500	2,400	960	4,900
	10/03/91	NLPH	0.88	198.36	—	22,000	—	—	920	1,800	770	3,300
	01/20/92	NLPH	1.20	198.04	—	27,000	—	—	770	2,900	570	3,400
	04/30/92	NLPH	0.14	199.10	—	61,000	—	—	2,400	3,000	2,300	5,700
	11/02/92	NLPH	0.75	198.49	—	20,000	—	—	1,000	610	560	2,200
	12/07/92	NLPH	0.72	198.52	—	34,000	—	—	1,700	1,400	850	4,700
	03/29/93	Sheen	0.00	199.24	—	—	—	—	—	—	—	—
	07/26/93	NLPH	0.02	199.22	—	43,000	—	—	2,100	3,300	1,100	4,900
	08/24/93	Sheen	0.10	199.14	—	—	—	—	—	—	—	—
	09/22/93	NLPH	0.15	199.09	—	—	—	—	—	—	—	—
	10/06/93	Sheen	0.35	198.89	—	—	—	—	—	—	—	—
	11/08/93	Sheen	0.30	198.94	—	—	—	—	—	—	—	—
	12/07/93	Sheen	0.01	199.23	—	—	—	—	—	—	—	—
	01/19/94	NLPH	0.21	199.03	—	85,000	—	—	2,100	4,000	1,500	6,200
	07/25/94	NLPH	0.26	198.98	—	26,000	—	—	1,300	1,800	700	3,200
	01/26/95	Sheen	0.10	199.14	<500	34,000	—	—	1,000	1,000	840	3,200
	07/26/95	LPH	0.43	198.81	—	—	—	—	—	—	—	—
	01/18/96	NLPH	3.50	195.74	—	23,000	—	—	360	370	280	1,800
	01/16/97	NLPH	3.58	195.66	—	6,900	<600	—	77	120	56	1,900
	04/21/97	NLPH	3.37	195.87	—	13,000	480	170	82	220	320	3,400
	07/09/97	NLPH	3.48	195.76	—	9,100	<300	—	53	120	270	1,400
	10/27/97	NLPH	1.15	198.09	—	20,000	520	—	780	280	290	1,500
	03/25/98	NLPH	9	9	—	3,200	—	210	39	33	170	180
	06/11/98	NLPH	0.02	199.22	—	15,000	640	—	810	340	710	2,100
	09/10/98	NLPH	0.25	198.99	2,700	13,000	500	—	570	220	670	1,200

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0276  
1400 Farmers Lane  
Santa Rosa, California  
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Well ID # (TOC)	Sampling Date	SUBJ	DTW (fbgs)	GW Elev. (feet)	TPHd <	TPHg	MTBE 8021B	MTBE 8260B	B μg/L	T	E	X
MW3 (cont.)	12/15/98	NLPH	0.39	198.85	1,300	13,000	510	—	760	420	880	2,100
(199.24)	03/09/99	NLPH	0.08	199.16	2,000	12,000	1,100	—	560	610	850	2,700
	06/28/99	NLPH	0.32	198.92	4,890	12,500	674	—	494	172	944	904
	09/21/99	Sheen	0.34	198.90	1,680b	9,630	668	—	384	136	761	554
	12/27/99	NLPH	0.85	198.39	920	11,000	1,100	—	510	320	1,100	914
	03/27/00	NLPH	0.32	198.92	1,700	8,500	2,600	—	300	210	940	875
	06/13/00	NLPH	0.25	198.99	1,200	7,700	2,000	1,300	370	160	940	350
	06/16/00 - Property transferred to Valero Refining Company.											
	09/26/00	NLPH	0.35	198.89	1,000	4,900	2,200	1,800	290	90	670	180
	12/27/00	NLPH	0.77	198.47	680e	7,600	9,200	8,700	300	180	650	335
	03/26/01	NLPH	0.35	198.89	1,100	6,500	14,000	15,000	190	190	510	475
	06/29/01	NLPH	0.33	198.91	830	9,200	11,000	7,500	250	150	930	188.6
	09/24/01	NLPH	0.81	198.43	1000i	5,300	10,000	11,000	190	57	370	57
(199.21)	11/01/01 - Well surveyed in compliance with AB 2886 requirements.											
	12/26/01	NLPH	0.25	198.96	850i	6,400	2,400	2,600	150	120	530	302
	03/26/02	NLPH	0.55	198.66	1,090	7,870	1,500	2,134	230	230	708	678
	06/24/02	NLPH	0.40	198.81	1,360 k	5,890	788	772	191	74.0	450	125
	09/23/02	NLPH	0.43	198.78	870	5810	574	260	192	60.0	400	50.0
	12/31/02	NLPH	0.25	198.96	1,160	5,040	408	380	164	93.0	426	184
	03/28/03	NLPH	0.49	198.72	1,780	578	52.3	264	19.4	11.7	46.6	27.2
	06/05/03	NLPH	0.34	198.87	660	1690l	357	492	164	60.0	174	86.2
	09/09/03	NLPH	0.30	198.91	1,090	1,320	389	374	115	40.8	333	54.4
	12/01/03	NLPH	0.60	198.61	1,210	5,030	324	260.1	114	51.5	296	78.8
	03/23/04	NLPH	0.60	198.61	356	4,850	—	84.4	82.9	45.7	148	48.3
	06/16/04	NLPH	0.47	198.74	1,080	9,620	72.7	256	290	101	1,010	141
	09/15/04r	NLPH	0.46	198.75	<50	9,260	—	57.2	154	62.8	513	66.8
	12/15/04	NLPH	0.52	198.69	1,110i	4,380	—	43.2	86.0	55.6	225	114
	03/16/05	NLPH	0.51	198.70	858i	5,580	—	41.9	108	54.5	172	91.4
	06/15/05	NLPH	0.34	198.87	t	t	t	t	t	t	t	t
	06/30/05	NLPH	0.28	198.93	1,010	6,540	—	27.4	135	41.3	294	70.8
	09/07/05	NLPH	0.34	198.87	1,470l	5,880	—	24.0	139	42.3	275	76.2
MW4	06/22/88	NLPH	3.96	199.75	—	ND	—	—	ND	ND	ND	ND
(203.71)	09/02/88	NLPH	5.79	197.92	—	—	—	—	—	—	—	—
	01/26/89	NLPH	3.60	200.11	—	ND	—	—	ND	ND	ND	ND
	03/27/89	NLPH	2.46	201.25	—	—	—	—	—	—	—	—
	04/25/89	NLPH	2.68	201.03	—	ND	—	—	ND	ND	ND	ND
	07/26/89	NLPH	3.94	199.77	—	ND	—	—	ND	ND	ND	ND
	10/24/89.	NLPH	2.64	201.07	—	ND	—	—	ND	ND	ND	ND
	12/18/89	NLPH	3.05	200.66	—	—	—	—	—	—	—	—
	01/26/90	NLPH	2.67	201.04	—	ND	—	—	ND	ND	ND	ND
	02/18/90	NLPH	2.43	201.28	—	—	—	—	—	—	—	—
	03/13/90	NLPH	2.54	201.17	—	—	—	—	—	—	—	—
	04/19/90	NLPH	3.34	200.37	—	ND	—	—	ND	ND	ND	ND

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0276  
1400 Farmers Lane  
Santa Rosa, California  
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Well ID # (TOC)	Sampling Date	SUBJ	DTW (fbgs)	GW Elev. (feet)	TPHd <	TPHg	MTBE 8021B	MTBE 8260B	B μg/L	T	E	X
MW4 (cont.)	07/26/90	—	—	—	—	<1	—	—	<0.3	<0.3	<0.3	<0.6
(203.71)	10/11/90	—	—	—	—	<1	—	—	<0.3	<0.3	<0.3	<0.6
	04/23/91	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	07/25/91	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	10/03/91	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	01/20/92	—	—	—	—	260	—	—	8.3	25	7.1	32
	04/30/92	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	11/02/92	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	12/07/92	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	03/29/93	—	—	—	—	<50	—	—	<0.5	0.6	<0.5	<0.5
	07/26/93	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	01/19/94	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	07/25/94	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	01/26/95	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	07/26/95	—	—	—	50	<50	<10,000	—	<0.5	<0.5	<0.5	<0.5
	01/18/96	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	01/16/97	NLPH	2.50	201.21	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
	04/21/97	NLPH	3.26	200.45	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
	07/09/97	NLPH	3.67	200.04	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
	10/27/97	NLPH	3.31	200.40	—	—	—	—	—	—	—	—
	03/25/98	NLPH	2.33	201.38	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	06/11/98	NLPH	2.52	201.19	—	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
(203.68)	09/10/98	NLPH	2.94	200.74	74	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	12/15/98	NLPH	2.71	200.97	<50	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	03/09/99	NLPH	2.32	201.36	<50	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	06/28/99	NLPH	2.71	200.97	<50	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	09/21/99	NLPH	2.74	200.94	<50	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	12/27/99	NLPH	2.96	200.72	<100	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	03/27/00	NLPH	3.15	200.53	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	06/13/00	NLPH	2.81	200.87	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	06/16/00 - Property transferred to Valero Refining Company.											
	09/21/00	NLPH	2.99	200.69	<50	<50	<2	—	<0.5	0.56	<0.5	<0.5
	12/27/00	NLPH	3.08	200.60	<50e	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	03/26/01	NLPH	2.60	201.08	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	06/29/01	NLPH	2.47	201.21	120	<250	33,000	21,000	17	<2.5	<2.5	14
	09/24/01	NLPH	3.21	200.47	52i	<50	6.1	6	<0.5	<0.5	<0.5	<0.5
(203.64)	11/01/01 - Well surveyed in compliance with AB 2886 requirements.											
	12/26/01	NLPH	2.23	201.41	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	03/26/02	NLPH	2.41	201.23	<50.0	<50.0	<2.00	0.9	<0.50	<0.50	<0.50	<0.50
	06/24/02	NLPH	2.63	201.01	92 k	<50	0.8	<0.50	<0.5	<0.5	<0.5	<0.5
	09/23/02	NLPH	2.42	201.22	81	<50.0	<0.5	—	<0.5	<0.5	<0.5	<0.5
	12/31/02	NLPH	2.10	201.54	<50	<50.0	<0.5	—	<0.5	<0.5	<0.5	<0.5
	03/28/03	NLPH	2.47	201.17	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	06/05/03	NLPH	2.53	201.11	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0276  
1400 Farmers Lane  
Santa Rosa, California  
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Well ID # (TOC)	Sampling Date	SUBJ	DTW (fbgs)	GW Elev. (feet)	TPHd	TPHg	MTBE 8021B	MTBE 8260B	B	T	E	X
μg/L												
MW4 (cont.) (203.64)	09/09/03	NLPH	2.62	201.02	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	12/01/03	NLPH	2.52	201.12	133	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	03/23/04	NLPH	2.50	201.14	<50	<50.0	—	<0.50	<0.50	0.5	<0.5	<0.5
	06/16/04	NLPH	2.78	200.86	<50	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
	09/15/04	NLPH	2.81	200.83	<50	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
	12/15/04	NLPH	2.66	200.98	<50	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
	03/16/05	NLPH	2.54	201.10	<50	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
	06/15/05	NLPH	2.54	201.10	t	t	t	t	t	t	t	t
	06/30/05	NLPH	2.50	201.14	<53	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
MW5 (200.62)	09/07/05	NLPH	2.57	201.07	<50	<50.0	—	<0.500	<0.50	<0.50	<0.50	<0.50
	06/22/88	NLPH	1.06	199.56	—	20,000	—	—	7,900	total BTEX	—	—
	09/02/88	NLPH	2.96	197.66	—	—	—	—	—	—	—	—
	01/26/89	NLPH	0.84	199.78	—	11,000	—	—	3,000	total BTEX	—	—
	03/27/89	NLPH	0.29	200.33	—	—	—	—	—	—	—	—
	04/25/89	NLPH	0.17	200.45	—	6,000	—	—	1,400	total BTEX	—	—
	07/26/89	NLPH	1.20	199.42	—	9,300	—	—	4,100	total BTEX	—	—
	10/24/89	NLPH	0.99	199.63	—	11,000	—	—	3,700	total BTEX	—	—
	12/18/89	NLPH	0.46	200.16	—	—	—	—	—	—	—	—
	01/26/90	NLPH	0.26	200.36	—	1,000	—	—	440	total BTEX	—	—
	02/18/90	NLPH	0.00	200.62	—	—	—	—	—	—	—	—
	03/13/90	NLPH	0.00	200.62	—	—	—	—	—	—	—	—
	04/19/90	NLPH	0.68	199.94	—	3,900	—	—	1,610	total BTEX	—	—
	07/26/90	NLPH	0.95	199.67	—	5,200	—	—	55	240	250	800
	10/11/90	NLPH	0.59	200.03	—	3,300	—	—	44	140	230	420
	04/23/91	NLPH	0.70	199.92	—	16,000	—	—	160	860	190	1,900
	07/25/91	NLPH	1.60	199.02	—	20,000	—	—	150	780	850	2,400
	10/03/91	NLPH	1.52	199.10	—	4,400	—	—	42	46	160	390
	01/20/92	NLPH	1.58	199.04	—	3,200	—	—	45	150	220	500
	04/30/92	NLPH	0.37	200.25	—	16,000	—	—	270	1,100	1,700	3,900
	11/02/92	NLPH	1.35	199.27	—	450	—	—	5.1	1.7	35	5.4
	12/07/92	NLPH	1.00	199.62	—	90	—	—	0.9	2	7.3	16
	03/29/93	NLPH	0.34	200.28	—	1,100	—	—	7.7	68	120	240
	07/26/93	NLPH	0.46	200.16	—	9,100	—	—	75	230	870	1,100
	08/24/93	NLPH	0.55	200.07	—	—	—	—	—	—	—	—
	09/22/93	NLPH	0.62	200.00	—	—	—	—	—	—	—	—
	10/06/93	NLPH	0.74	199.88	—	—	—	—	—	—	—	—
	11/08/93	NLPH	0.78	199.84	—	—	—	—	—	—	—	—
	12/07/93	NLPH	0.52	200.10	—	—	—	—	—	—	—	—
	01/19/94	Sheen	0.63	199.99	—	8,300	—	—	63	290	470	910
	07/25/94	NLPH	0.88	199.74	—	1,900	—	—	22	16	170	67
	01/26/95	Sheen	0.52	200.10	120,000d	2,400	120,000d	—	15	53	180	180
	07/26/95	LPH	0.56	200.06	—	—	—	—	—	—	—	—
	01/18/96	NLPH	0.00	200.62	—	1,500	—	—	24	5.1	12	7.4

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0276  
1400 Farmers Lane  
Santa Rosa, California  
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Well ID # (TOC)	Sampling Date	SUBJ	DTW (fbgs)	GW Elev. (feet)	TPHd —	TPHg —	MTBE 8021B —	MTBE 8260B —	B μg/L	T	E	X
MW5 (cont.)	01/16/97	NLPH	0.47	200.15	—	3,200	380	—	58	39	190	160
(200.59)	04/21/97	NLPH	0.81	199.81	—	1,700	95	31	2	5.7	36	32
	07/09/97	NLPH	0.70	199.92	—	870	61	—	<0.5	4.5	16	21
	10/27/97	NLPH	0.75	199.87	—	—	—	—	—	—	—	—
	03/25/98	NLPH	0.43	200.19	—	<50	62	—	<0.5	<0.5	<0.5	<0.5
	06/11/98	NLPH	g	g	—	60	8.7	—	0.75	0.7	3.1	2.4
	09/10/98	NLPH	0.26	200.36	5,700	3,200	160	—	<10	<10	76	22
	12/15/98	NLPH	0.19	200.40	820	2,000	220	—	<5.0	12	130	74
	03/09/99	NLPH	0.45	200.14	<50	<50	91	—	<0.5	<0.5	<0.5	<0.5
	06/28/99	NLPH	0.20	200.39	4,870	4,160	149	—	46	<10	131	34.2
	09/21/99	Sheen	0.38	200.21	2,390b	4,200	68	—	<10	17.4	148	32
	12/27/99	NLPH	1.51	199.08	4,000	4,200	1,000	—	11	5.2	140	31.7
	03/27/00	NLPH	0.00	200.59	2,800	3,000	890	—	26	3.8	120	30
	06/13/00	NLPH	0.21	200.38	410	1,500	580	540	<2.5	<2.5	94	18
	06/16/00 - Property transferred to Valero Refining Company.											
	09/26/00	NLPH	0.30	200.29	560	1,800	2,500	2,200	<2.5	3.2	75	15
	12/27/00	NLPH	0.45	200.14	460e	2,600	9,700	8,700	<2.5	4.2	91	42.1
	03/26/01	NLPH	0.00	200.59	720	2,900	4,600	4,400	<2.5	4.2	100	57.6
	06/29/01	NLPH	0.09	200.50	460	2,800	5,600	3,700	<0.5	5.8	53	18.6
	09/24/01	NLPH	0.43	200.16	780i	1,600	750	840	25	3.7	28	12
(200.60)	11/01/01 - Well surveyed in compliance with AB 2886 requirements.											
	12/26/01	NLPH	0.48	200.12	300i	1,400	1,500	1,300	26	14	38	39
	03/26/02	NLPH	0.00	200.60	351	382	79.5	108	2.50	0.80	5.70	4.20
	06/24/02	NLPH	0.00	200.60	94 k	443	109	63.2	1.5	2.7	16.1	6.3
	09/23/02	NLPH	0.08	200.52	201	760	45.1	48.1	<0.5	2.6	6.9	6.7
	12/31/02	NLPH	0.00	200.60	481	340	51.8	54.9	0.9	1.4	5.7	4.6
	03/28/03	NLPH	0.00	200.60	308	1,120	37.8	22.2	11.6	1.9	19.1	11.1
	06/05/03	Sheen	0.00	200.60	202	995	30.0	24.4	13.0	2.6	10.3	5.4
	09/09/03	NLPH	0.10	200.50	501	963	10.9	11.2	4.60	1.5	5.4	4.3
	12/01/04	NLPH	0.60	200.00	—	—	—	—	—	—	—	—
	12/02/03	—	—	—	614	1,380	116	114	7.60	2.0	20.0	11.6
	03/23/04	NLPH	0.00	200.60	384p	1,150	—	6.50	8.10	0.9	2.0	1.9
	06/16/04	NLPH	0.40	200.20	591	582	9.3	5.3	2.30	2.1	1.2	6.3
	09/15/04r	NLPH	0.23	200.37	118	586	—	3.20	<0.50	1.8	8.2	3.1
	12/15/04	NLPH	0.12	200.48	676i	698	—	6.70	6.20	1.9	20.5	11.3
	03/16/05	NLPH	0.00	200.60	817i	1,200	—	3.70	10.6	1.0	6.3	6.5
	06/15/05	NLPH	0.00	200.60	t	t	t	t	t	t	t	t
	06/30/05	NLPH	0.00	200.60	254	1,290	—	<0.50	7.70	<0.5	3.8	3.7
	09/07/05	NLPH	0.00	200.60	247i	757	—	<0.500	7.95	<0.50	6.86	4.85

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0276  
1400 Farmers Lane  
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Well ID # (TOC)	Sampling Date	SUBJ	DTW (fbgs)	GW Elev. (feet)	TPHd	TPHg	MTBE 8021B	MTBE 8260B	B μg/L	T	E	X
MW6	06/22/88	NLPH	3.61	199.67	—	630	—	—	160	total BTEX	—	—
(203.28)	09/08/88	Sheen	5.41	197.87	—	—	—	—	—	—	—	—
	01/26/89	Sheen	3.24	200.04	—	—	—	—	—	—	—	—
	03/27/89	LPH	1.44	201.84	—	—	—	—	—	—	—	—
	04/25/89	LPH	2.25	201.03	—	—	—	—	—	—	—	—
	07/26/89	NLPH	3.37	199.91	—	18	—	—	2	total BTEX	—	—
	10/24/89	NLPH	2.34	200.94	—	20	—	—	ND	total BTEX	—	—
	12/18/89	NLPH	2.73	200.55	—	—	—	—	—	—	—	—
	01/26/90	NLPH	2.21	201.07	—	330	—	—	84	total BTEX	—	—
	02/18/90	NLPH	1.82	201.46	—	—	—	—	—	—	—	—
	03/13/90	NLPH	2.04	201.24	—	—	—	—	—	—	—	—
	04/19/90	NLPH	2.85	200.43	—	330	—	—	74	total BTEX	—	—
	07/26/90	NLPH	2.35	200.93	—	—	—	—	—	—	—	—
	10/11/90	LPH	3.42	199.86	—	—	—	—	—	—	—	—
	04/23/91	NLPH	2.52	200.76	—	440	—	—	6.1	4.7	<0.5	38
	07/25/91	LPH	3.44	199.84	—	—	—	—	—	—	—	—
	10/03/91	LPH	3.79	199.49	—	290	—	—	5.3	5.9	5.1	27
	01/20/92	LPH	4.16	199.12	—	—	—	—	—	—	—	—
	04/30/92	LPH	2.47	200.81	—	—	—	—	—	—	—	—
	11/02/92	LPH	3.35	199.93	—	—	—	—	—	—	—	—
	12/07/92	LPH	4.50	198.78	—	—	—	—	—	—	—	—
	03/29/93	—	—	—	—	—	—	—	—	—	—	—
	06/16/93	LPH	2.49	200.79	—	830	—	—	25	9	19	1000
	06/29/93	LPH	2.87	200.41	—	—	—	—	—	—	—	—
	07/26/93	Sheen	2.71	200.57	—	—	—	—	—	—	—	—
	08/24/93	Sheen	2.81	200.47	—	—	—	—	—	—	—	—
	09/22/93	NLPH	2.85	200.43	—	—	—	—	—	—	—	—
	10/06/93	NLPH	3.02	200.26	—	—	—	—	—	—	—	—
	11/08/93	Sheen	3.11	200.17	—	—	—	—	—	—	—	—
	12/07/93	Sheen	2.65	200.63	—	—	—	—	—	—	—	—
	01/19/94	Sheen	2.62	200.66	—	420	—	—	7.5	1.8	7.9	31
	07/25/94	LPH	2.71	200.57	—	—	—	—	—	—	—	—
	01/26/95	LPH	1.63	201.65	—	—	—	—	—	—	—	—
	07/26/95	LPH	2.44	200.84	—	—	—	—	—	—	—	—
	01/18/96	NLPH	2.45	200.83	—	—	—	—	—	—	—	—
	01/16/97	NLPH	2.01	201.27	—	—	—	—	—	—	—	—
	04/21/97	NLPH	11.0	192.28	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
(203.48)	07/09/97	NLPH	3.15	200.33	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
	10/27/97	NLPH	2.95	200.53	—	<50	<30	—	<0.5	<0.5	<0.5	0.71
	03/25/98	—	—	—	—	—	—	—	—	—	—	—
	06/11/98	—	—	—	—	—	—	—	—	—	—	—
	09/10/98	NLPH	2.59	200.89	110	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	12/15/98	NLPH	2.31	201.17	82	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	03/09/99	NLPH	1.62	201.86	120	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0276  
1400 Farmers Lane  
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Well ID # (TOC)	Sampling Date	SUBJ	DTW (fbgs)	GW Elev. (feet)	TPHd	TPHg	MTBE 8021B	MTBE 8260B	B	T	E	X
					<				µg/L			
MW6 (cont.)	06/28/99	NLPH	2.32	201.16	238	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
(203.48)	09/21/99	NLPH	2.41	201.07	175b	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	12/27/99	NLPH	3.00	200.48	240	<50	2.1	—	<0.5	<0.5	<0.5	<0.5
	03/27/00	NLPH	1.92	201.56	120	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	06/13/00	NLPH	2.43	201.05	51	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	06/16/00 - Property transferred to Valero Refining Company.											
	09/21/00	NLPH	2.65	200.83	76	<50	82	62	<0.5	<0.5	<0.5	<0.5
	12/27/00	NLPH	2.77	200.71	59e	<50	2.2	—	<0.5	<0.5	<0.5	<0.5
	03/26/01	NLPH	2.22	201.26	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	06/29/01	NLPH	2.41	201.07	69	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	09/24/01	—	—	—	—	—	—	—	—	—	—	—
(203.43)	11/01/01 - Well surveyed in compliance with AB 2886 requirements.											
	12/26/01	NLPH	1.49	201.94	84i	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	3/26/02j	—	—	—	—	—	—	—	—	—	—	—
	6/24/02j	NLPH	2.18	201.25	114 k	<50	<0.5	—	<0.5	<0.5	<0.5	<0.5
	09/23/02	NLPH	2.31	201.12	56	<50	<0.5	—	<0.5	<0.5	<0.5	<0.5
	12/31/02	NLPH	1.47	201.96	<50	<50.0	<0.5	—	<0.5	<0.5	<0.5	<0.5
	03/28/03	NLPH	1.88	201.55	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	06/05/03	NLPH	1.96	201.47	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	09/09/03	NLPH	2.15	201.28	59	<50.0	0.5	0.60	<0.50	<0.5	<0.5	<0.5
	12/01/04	NLPH	2.13	201.30	<50.	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	03/23/04	NLPH	2.09	201.34	<50.	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
	06/16/04	c	c	c	c	c	c	c	c	c	c	c
	09/15/04l	NLPH	2.51	200.92	<50	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
	12/15/04	NLPH	1.81	201.62	66i	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
	03/16/05	NLPH	1.94	201.49	<56	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
	06/15/05	NLPH	1.86	201.57	t	t	t	t	t	t	t	t
	06/30/05	NLPH	2.01	201.42	59	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
	09/07/05	NLPH	2.00	201.43	<50	<50.0	—	<0.500	<0.50	<0.50	<0.50	<0.50
MW7	08/12/88	—	—	—	—	ND	—	—	ND	ND	ND	ND
(205.59)	09/02/88	NLPH	8.06	197.53	—	—	—	—	—	—	—	—
	01/26/89	NLPH	5.94	199.65	—	7	—	—	ND	ND	ND	ND
	03/27/89	NLPH	3.84	201.75	—	—	—	—	—	—	—	—
	04/25/89	NLPH	4.60	200.99	—	ND	—	—	ND	ND	ND	ND
	07/26/89	NLPH	5.83	199.76	—	ND	—	—	ND	ND	ND	ND
	10/24/89	NLPH	4.77	200.82	—	ND	—	—	ND	ND	ND	ND
	12/18/89	NLPH	5.27	200.32	—	—	—	—	—	—	—	—
	01/26/90	NLPH	4.54	201.05	—	ND	—	—	ND	ND	ND	ND
	02/18/90	NLPH	4.09	201.50	—	—	—	—	—	—	—	—
	03/13/90	NLPH	4.41	201.18	—	—	—	—	—	—	—	—
	04/19/90	NLPH	5.26	200.33	—	ND	—	—	ND	ND	ND	ND
	07/26/90	—	—	—	—	<1	—	—	<0.3	<0.3	<0.3	<0.6
	10/11/90	—	—	—	—	<1	—	—	<0.3	<0.3	<0.3	<0.6

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1400 Farmers Lane  
Santa Rosa, California  
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Well ID # (TOC)	Sampling Date	SUBJ	DTW (fbgs)	GW Elev. (feet)	TPHd <	TPHg	MTBE 8021B	MTBE 8260B	B μg/L	T	E	X
MW7 (cont.)	04/23/91	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
(205.59)	07/25/91	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	10/03/91	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	01/20/92	—	—	—	—	—	—	—	—	—	—	—
	04/30/92	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	11/02/92	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	12/07/92	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	1.4
	03/29/93	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	06/16/93	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	07/26/93	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	01/19/94	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	07/25/94	—	—	—	—	—	—	—	—	—	—	—
	01/26/95	—	—	—	—	—	—	—	—	—	—	—
	07/26/95	—	—	—	—	—	—	—	—	—	—	—
	01/18/96	—	—	—	—	—	—	—	—	—	—	—
	01/16/97	NLPH	3.96	201.63	—	—	—	—	—	—	—	—
	04/21/97	NLPH	4.13	201.46	—	—	—	—	—	—	—	—
	07/09/97	NLPH	5.40	200.19	—	—	—	—	—	—	—	—
	10/27/97	NLPH	5.45	200.14	—	—	—	—	—	—	—	—
	03/25/98	NLPH	3.61	201.98	—	<50	—	—	<2.0	<0.5	<0.5	0.58
	06/11/98	NLPH	3.96	201.63	—	<50	<2.5	—	—	<0.5	<0.5	<0.5
	09/10/98	NLPH	4.89	200.70	170	<50	<2.5	—	—	<0.5	<0.5	<0.5
	12/15/98	NLPH	4.59	201.00	<50	<50	<2.5	—	—	<0.5	<0.5	<0.5
	03/09/99	NLPH	3.65	201.94	58	<50	<2.5	—	—	<0.5	<0.5	0.74
	06/28/99	NLPH	4.59	201.00	100	<50	<2.5	—	—	<0.5	<0.5	<0.5
(206.46)	09/21/99	NLPH	4.6	201.86	<50	<50	<2.5	—	—	<0.5	<0.5	<0.5
	12/27/99	NLPH	5.25	201.21	<50	<50	<2	—	—	<0.5	<0.5	<0.5
	03/27/00	NLPH	4.04	202.42	59	<50	<2	—	—	<0.5	<0.5	<0.5
	06/13/00	NLPH	4.77	201.69	<50	<50	<2	—	—	<0.5	<0.5	<0.5
	06/16/00 - Property transferred to Valero Refining Company.											
	09/21/00	NLPH	5.06	201.40	<50	<50	<2	—	—	<0.5	0.68	<0.5
	12/27/00	NLPH	5.09	201.37	<50e	<50	<2	—	—	<0.5	<0.5	<0.5
	03/26/01	NLPH	4.43	202.03	<50	<50	<2	—	—	<0.5	<0.5	<0.5
	06/29/01	NLPH	2.71	203.75	56	<50	7.3	112	<0.5	<0.5	<0.5	<0.5
	09/24/01	NLPH	5.29	201.17	<50	<50	<2	—	—	<0.5	<0.5	<0.5
(206.42)	11/01/01 - Well surveyed in compliance with AB 2886 requirements.											
	12/26/01	NLPH	3.33	203.09	<50	<50	<2	—	—	<0.5	<0.5	<0.5
	03/26/02	NLPH	4.31	202.11	<50.0	<50.0	<2.00	—	—	<0.50	<0.50	<0.50
	06/24/02	NLPH	4.39	202.03	60 k	<50	<0.5	—	—	<0.5	<0.5	<0.5
	09/23/02	NLPH	4.55	201.87	89	<50.0	<0.5	—	—	<0.5	<0.5	<0.5
	12/31/02	NLPH	2.72	203.70	<50	<50.0	0.5	—	—	<0.5	<0.5	<0.5
	03/28/03	NLPH	3.99	202.43	<50	<50.0	<0.5	—	—	<0.50	<0.5	<0.5
	06/05/03	NLPH	4.13	202.29	<50	<50.0	<0.5	—	—	<0.50	<0.5	<0.5
	09/09/03	NLPH	4.35	202.07	<50	<50.0	<0.5	—	—	<0.50	<0.5	<0.5

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0276  
1400 Farmers Lane  
Santa Rosa, California  
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Well ID #	Sampling Date	SUBJ	DTW (fbgs)	GW Elev. (feet)	TPHd <	TPHg	MTBE 8021B	MTBE 8260B	B $\mu\text{g/L}$	T	E	X
MW7 (cont.)	12/01/04	NLPH	4.30	202.12	140	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
(206.42)	03/23/04	NLPH	4.06	202.36	<50	<50.0	—	<0.50	<0.5	0.5	<0.5	<0.5
	06/16/04	NLPH	4.65	201.77	<50	<50.0	<0.50	—	<0.50	<0.5	<0.5	<0.5
	09/15/04r	NLPH	4.74	201.68	<50	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
	12/15/04	NLPH	4.36	202.06	<50	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
	03/16/05	NLPH	4.08	202.34	<50	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
	06/15/05	NLPH	3.98	202.44	t	t	t	t	t	t	t	t
	06/30/05	NLPH	4.13	202.29	639	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
	09/07/05	NLPH	4.15	202.27	435l	132	—	<0.500	36.1	9.38	1.64	9.46
MW8	08/12/88	—	—	—	—	ND	—	—	—	—	—	—
(199.16)	09/02/88	NLPH	6.87	192.29	—	—	—	—	ND	ND	ND	ND
	01/26/89	NLPH	2.16	197.00	—	52	—	—	—	—	—	—
	03/27/89	NLPH	0.46	198.70	—	—	—	—	—	—	—	—
	04/25/89	NLPH	0.41	198.75	—	190	—	—	10	total BTEX	—	—
	07/26/89	NLPH	1.54	197.62	—	71	—	—	4	total BTEX	—	—
	10/24/89	NLPH	0.99	198.17	—	120	—	—	1	total BTEX	—	—
	01/26/90	NLPH	1.01	198.15	—	110	—	—	ND	total BTEX	—	—
	04/19/90	NLPH	1.29	197.87	—	95	—	—	2	total BTEX	—	—
	07/26/90	—	—	—	—	620	—	—	19	<0.3	<0.3	<0.6
	10/11/90	—	—	—	—	1,600	—	—	76	0.9	1.0	2
	04/23/91	—	—	—	—	96	—	—	0.8	0.6	<0.5	<0.5
	07/25/91	—	—	—	—	98	—	—	<0.5	<0.5	<0.5	<0.5
	10/03/91	—	—	—	—	<50	—	—	0.6	<0.5	<0.5	<0.5
	01/20/92	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	04/30/92	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	11/02/92	—	—	—	—	190	—	—	3.7	<0.5	0.8	1.6
	12/07/92	—	—	—	—	<50	—	—	1.9	<0.5	<0.5	1.4
	03/29/93	—	—	—	—	<50	—	—	1.6	<0.5	1.3	1.8
	06/16/93	—	—	—	—	—	—	—	—	—	—	—
	07/26/93	—	—	—	—	<50	—	—	0.79	<0.5	<0.5	<0.5
	01/19/94	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	07/25/94	—	—	—	—	<50	—	—	1.5	1.0	<0.5	0.70
	01/26/95	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	07/26/95	—	—	—	—	450	<50	14000d	<0.5	<0.5	<0.5	<0.5
	01/18/96	—	—	—	—	<50	—	—	<5	<5	<5	<5
	01/16/97	NLPH	1.07	198.09	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
	04/21/97	NLPH	1.10	198.06	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
	07/09/97	NLPH	1.81	197.35	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
	10/27/97	NLPH	1.55	197.61	—	—	—	—	—	—	—	—
	03/25/98	NLPH	0.14	199.02	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	06/11/98	NLPH	0.30	198.86	—	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	09/10/98	NLPH	0.93	198.23	54	<50	14	—	<0.5	<0.5	<0.5	<0.5
	12/15/98	NLPH	0.75	198.41	<50	<50	15	—	<0.5	<0.5	<0.5	<0.5

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0276  
1400 Farmers Lane  
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Well ID # (TOC)	Sampling Date	SUBJ	DTW (fbgs)	GW Elev. (feet)	TPHd <	TPHg	MTBE 8021B	MTBE 8260B	B μg/L	T	E	X
MW8 (cont.)	03/09/98	NLPH	0.22	198.94	61	<50	19	—	<0.5	<0.5	<0.5	<0.5
(199.16)	06/28/99	NLPH	0.75	198.41	959	<50	13.4	—	<0.5	<0.5	<0.5	<0.5
	09/21/99	NLPH	0.97	198.19	172b	<50	22.3	—	<0.5	<0.5	<0.5	<0.5
	12/27/99	NLPH	1.10	198.06	<50	<50	53	—	<0.5	<0.5	<0.5	<0.5
	03/27/00	NLPH	0.39	198.77	<250	<50	41	—	<0.5	<0.5	<0.5	<0.5
	06/13/00	NLPH	0.68	198.48	<50	<50	61	53	<0.5	<0.5	<0.5	<0.5
	06/16/00 - Property transferred to Valero Refining Company.											
	09/21/00	NLPH	0.94	198.22	<50	<50	150	120	<0.5	<0.5	<0.5	<0.5
	12/27/00	NLPH	1.11	198.05	74e	<50	240	200	<0.5	<0.5	<0.5	<0.5
	03/26/01	NLPH	0.65	198.51	<50	<50	210	220	<0.5	<0.5	<0.5	<0.5
	06/29/01	NLPH	0.88	198.28	55	<50	450	260	<0.5	<0.5	<0.5	<0.5
	09/24/01	NLPH	1.39	197.77	<50	<50	900	1,200	<2.5	<2.5	<2.5	<2.5
(199.14)	11/01/01 - Well surveyed in compliance with AB 2886 requirements.											
	12/26/01	NLPH	1.42	197.72	<50	<50	790	730	<0.5	<0.5	<0.5	<0.5
	03/26/02	NLPH	0.61	198.53	<50.0	378	447	562	<0.50	<0.50	<0.50	<0.50
	06/24/02	NLPH	0.72	198.42	<51 k	323	404	327	<0.5	<0.5	<0.5	<0.5
	09/23/02	NLPH	0.91	198.23	57	349	476	529	<0.5	<0.5	<0.5	<0.5
	12/31/02	NLPH	2.32	196.82	<50	395	427	550	<0.5	<0.5	<0.5	<0.5
	03/28/03	NLPH	0.53	198.61	<50	285	323	256	<0.50	<0.5	<0.5	<0.5
	06/05/03	NLPH	0.46	198.68	<50n	191	187	333	<0.50	<0.5	<0.5	<0.5
	09/09/03	NLPH	0.76	198.38	<50	186	220	254	<0.50	<0.5	<0.5	<0.5
	12/01/04	NLPH	0.60	198.54	—	—	—	—	—	—	—	—
	12/02/03	—	—	—	n	155	222	231	<0.50	<0.5	<0.5	<0.5
	03/23/04	NLPH	0.70	198.44	<50p	53.1	—	128	<0.50	0.5	<0.5	<0.5
	06/16/04	NLPH	0.90	198.24	51	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	09/15/04r	NLPH	1.10	198.04	<50	132	—	128	<0.50	<0.5	<0.5	<0.5
	12/15/04	NLPH	0.84	198.30	<50	75.4	—	116	<0.50	<0.5	<0.5	<0.5
	03/16/05	NLPH	0.61	198.53	<50	68.1	—	69.7	<0.50	<0.5	<0.5	<0.5
	06/15/05	NLPH	0.81	198.33	t	t	t	t	t	t	t	t
	06/30/05	NLPH	0.61	198.53	<50	<50.0	—	37.5	<0.50	<0.5	0.7	0.8
	09/07/05	NLPH	0.93	198.21	<50	56.3	—	61.5	<0.50	<0.50	<0.50	<0.50
MW9	08/12/88	—	—	—	—	5.0	—	—	—	—	—	—
(203.19)	09/02/88	NLPH	3.24	199.95	—	—	—	—	—	—	—	—
	01/26/89	NLPH	5.16	198.03	—	ND	—	—	ND	ND	ND	ND
	03/27/89	NLPH	3.31	199.88	—	—	—	—	—	—	—	—
	04/25/89	NLPH	4.11	199.08	—	ND	—	—	ND	ND	ND	ND
	07/26/89	NLPH	5.13	198.06	—	ND	—	—	ND	ND	ND	ND
	10/24/89	NLPH	4.51	198.68	—	ND	—	—	ND	ND	ND	ND
	12/18/89	NLPH	4.95	198.24	—	—	—	—	—	—	—	—
	01/26/90	NLPH	4.45	198.74	—	ND	—	—	ND	ND	ND	ND
	02/18/90	NLPH	4.01	199.18	—	—	—	—	—	—	—	—
	03/13/90	NLPH	4.18	199.01	—	—	—	—	—	—	—	—
	04/19/90	NLPH	4.87	198.32	—	ND	—	—	ND	ND	ND	ND

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0276  
1400 Farmers Lane  
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Well ID # (TOC)	Sampling Date	SUBJ	DTW (fbgs)	GW Elev. (feet)	TPHd	TPHg	<—————		B	T	E	X
							MTBE 8021B	MTBE 8260B				
μg/L												
MW9 (cont.)	07/26/90	—	—	—	—	<1	—	—	<0.3	<0.3	<0.3	<0.6
(203.19)	10/11/90	—	—	—	—	<1	—	—	<0.3	<0.3	<0.3	<0.6
	04/23/91	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	07/25/91	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	10/03/91	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	01/20/92	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	04/30/92	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	11/02/92	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	12/07/92	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	03/29/93	—	—	—	—	<50	—	—	0.7	<0.5	<0.5	<0.5
	06/16/93	—	—	—	—	<50	—	—	<0.5	0.6	<0.5	<0.5
	07/26/93	—	—	—	—	<50	—	—	0.7	1.9	1.1	5.5
	01/16/94	—	—	—	—	<50	—	—	<0.5	0.85	<0.5	2.0
	07/25/94	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	01/26/95	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	07/26/95	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	01/18/96	—	—	—	—	65	—	—	5.3	2.4	3.1	13
	01/16/97	NLPH	3.44	199.75	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
	04/21/97	NLPH	4.10	199.09	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
	07/09/97	NLPH	4.50	198.69	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
	10/27/97	NLPH	4.45	198.74	—	—	—	—	—	—	—	—
	03/25/98	NLPH	3.06	200.13	—	<50	—	<2.0	<0.5	<0.5	<0.5	<0.5
	06/11/98	NLPH	3.38	199.81	—	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	09/10/98	NLPH	4.14	199.05	53	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	12/15/98	NLPH	3.80	199.39	—	—	—	—	—	—	—	—
	03/09/99	NLPH	3.06	200.13	—	—	—	—	—	—	—	—
	6/28/99a	NLPH	3.62	199.57	—	—	—	—	—	—	—	—
(203.14)	09/21/99	NLPH	4.10	199.04	<50	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	12/27/99	NLPH	4.51	198.63	—	—	—	—	—	—	—	—
	03/27/00	NLPH	3.47	199.67	—	—	—	—	—	—	—	—
	06/13/00	NLPH	3.91	199.23	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	06/16/00 - Property transferred to Valero Refining Company.											
	09/21/00	NLPH	4.28	198.86	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	12/27/00	NLPH	4.42	198.72	<50e	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	03/26/01	NLPH	3.85	199.29	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	06/29/01	NLPH	4.20	198.94	57	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	09/24/01	NLPH	4.58	198.56	<50	74	<2	—	<0.5	<0.5	<0.5	<0.5
(203.13)	11/01/01 - Well surveyed in compliance with AB 2886 requirements.											
	12/26/01	NLPH	3.38	199.75	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	03/26/02	NLPH	3.60	199.53	<50.0	<50.0	<2.00	—	<0.50	<0.50	<0.50	<0.50
	06/24/02	NLPH	3.93	199.20	<51 k	<50	<0.5	—	<0.5	<0.5	<0.5	<0.5
	09/23/02	NLPH	3.98	199.15	<50	<50.0	<0.5	—	<0.5	<0.5	<0.5	<0.5
	12/31/02	NLPH	3.14	199.99	<50	<50.0	<0.5	—	<0.5	<0.5	<0.5	<0.5
	03/28/03	NLPH	3.53	199.60	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 7-0276  
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**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0276  
1400 Farmers Lane  
Santa Rosa, California  
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Well ID # (TOC)	Sampling Date	SUBJ	DTW (fbgs)	GW Elev. (feet)	TPHd	TPHg	MTBE 8021B	MTBE 8260B	B	T	E	X
									μg/L			
MW10 (cont.)	01/18/96	NLPH	1.00	197.42	—	18,000	<600	—	2,900	1,100	1,100	2,400
(198.42)	01/16/97	—	1.38	197.04	—	—	—	—	—	—	—	—
	04/21/97	NLPH	2.27	196.15	—	25,000	<600	—	4,400	1,500	1,500	2,400
	07/09/97	NLPH	3.12	195.30	—	25,000	<600	—	2,300	980	1,400	3,300
	10/27/97	NLPH	2.60	195.82	—	18,000	<200	—	1,300	450	880	1,800
	03/25/98	—	—	—	—	—	—	—	—	—	—	—
	06/11/98	—	—	—	—	—	—	—	—	—	—	—
	09/10/98	NLPH	2.62	195.80	2,700	23,000	830	—	1,800	450	1,200	1,900
	12/15/98	NLPH	1.43	196.99	1,800	15,000	760	—	1,800	500	780	1,500
	03/09/99	NLPH	0.93	197.49	1,900	15,000	620	—	2,900	1,300	1,100	1,800
	06/28/99	NLPH	2.00	196.42	3,100	19,400	<250	—	1,960	1,640	1,220	2,880
	09/21/99	NLPH	2.62	195.80	1,180b	9,260	545	—	1,100	360	710	1,110
	12/27/99	NLPH	2.32	196.10	870	16,000	<10	—	1,800	640	870	1,690
	03/27/00	NLPH	1.43	196.99	660	15,000	<50	—	2,300	1,100	930	1,750
	06/13/00	NLPH	2.21	196.21	1,400	26,000	<200	—	2,700	1,200	1,400	2,680
	06/16/00 - Property transferred to Valero Refining Company.											
	09/21/00	NLPH	2.47	195.95	110	12,000	280	<10	1,300	450	940	1,440
	12/27/00	NLPH	2.18	196.24	770e	18,000	<100	—	2,300	960	910	1,960
	03/26/01	NLPH	1.65	196.77	1,400	24,000	<200	—	2,800	1,800	1,200	2,860
	06/29/01	NLPH	2.27	196.15	1,200	17,000	<50	<5	1,300	530	1,000	1,560
	09/24/01	NLPH	2.75	195.67	1,200 F516i	14,000	42i	<5	830	290	800	1,210
(198.43)	11/01/01 - Well surveyed in compliance with AB 2886 requirements.											
	12/26/01	NLPH	1.40	197.03	1,200l	17,000	<100	<5	1,700	760	940	1,620
	03/26/02	NLPH	1.42	197.01	1,330	17,800	270	<10	2,360	1,110	1,200	1,850
	06/24/02	NLPH	2.41	196.02	1,940 k	14,800	40.0	<0.50	970	748	410	1,180
	09/23/02	NLPH	2.53	195.90	1,290	9,560	50.0	<5.00	500	189	530	789
	12/31/02	NLPH	0.98	197.45	1,090	8,860	<0.5	<0.5	1,010	425	550	955
	03/28/03	NLPH	1.64	196.79	2,320	22,100	98.0	<5.00	1,950	958	1,010	1,790
	06/05/03	c	—	—	—	—	—	—	—	—	—	—
	09/09/03	c	—	—	—	—	—	—	—	—	—	—
	12/02/03	c	—	—	—	—	—	—	—	—	—	—
	03/23/04	c	—	—	—	—	—	—	—	—	—	—
	06/16/04	NLPH	2.56	195.87	1,080	11,400	54.0	5.8	918	292	866	1,100
(202.34)	09/15/04r	NLPH	6.87	191.56	1,140	9,380	—	15.7	546	111	640	474
	12/15/04	NLPH	5.92	196.42	982i	9,120	—	8.10	705	286	521	709
	03/16/05	NLPH	5.78	196.56	1,020i	15,000	—	5.40	1,290	531	787	948
	06/15/05	NLPH	5.97	196.37	t	t	t	t	t	t	t	t
	06/30/05	NLPH	6.17	196.17	1,570	16,500	—	5.00	1,450	395	952	1,230
	09/07/05	NLPH	6.52	195.82	1,820l	9,410	—	15.0	570	110	608	510

**TABLE 1A**  
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Former Exxon Service Station 7-0276  
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Well ID # (TOC)	Sampling Date	SUBJ	DTW (ftsgs)	GW Elev. (feet)	TPHd	TPHg	<—————		B	T	E	X →
							MTBE 8021B	MTBE 8260B				
							μg/L	μg/L				
MW11	06/27/88	NLPH	—	—	—	79	—	—	—	—	—	—
(201.49)	09/02/88	NLPH	4.97	196.52	—	—	—	—	—	—	—	—
	01/26/89	NLPH	1.81	199.68	—	—	ND	—	—	ND	ND	ND
	03/27/89	NLPH	0.69	200.80	—	—	—	—	—	—	—	—
	04/25/89	NLPH	1.79	199.70	—	—	ND	—	—	ND	ND	ND
	07/26/89	NLPH	3.65	197.84	—	—	ND	—	—	ND	ND	ND
	10/24/89	NLPH	2.01	199.48	—	—	ND	—	—	ND	ND	ND
	12/18/89	NLPH	2.89	198.60	—	—	—	—	—	—	—	—
	01/26/90	NLPH	1.97	199.52	—	—	ND	—	—	ND	ND	ND
	02/18/90	NLPH	2.89	198.60	—	—	—	—	—	—	—	—
	03/13/90	NLPH	1.96	199.53	—	—	—	—	—	ND	ND	ND
	04/19/90	NLPH	2.39	199.10	—	—	ND	—	—	—	—	—
	07/26/90	—	—	—	—	—	—	—	—	<0.3	<0.3	<0.3
	10/11/90	—	—	—	—	—	—	—	—	<0.3	<0.3	<0.3
	04/23/91	—	—	—	—	—	—	—	—	<0.5	0.7	<0.5
	07/25/91	—	—	—	—	—	—	—	—	—	—	<0.5
	10/03/91	—	—	—	—	—	—	—	—	<0.5	<0.5	<0.5
	01/20/92	—	—	—	—	—	—	—	—	44	43	93
	04/30/92	—	—	—	—	—	—	—	—	<0.5	<0.5	<0.5
	11/02/92	—	—	—	—	—	—	—	—	<0.5	<0.5	<0.5
	12/10/92	—	—	—	—	—	—	—	—	<0.5	<0.5	<0.5
	03/29/93	—	—	—	—	—	—	—	—	0.6	<0.5	<0.5
	06/16/93	—	—	—	—	—	—	—	—	—	—	—
	07/26/93	—	—	—	—	—	—	—	—	—	—	—
	01/19/94	—	—	—	—	—	—	—	—	<0.5	<0.5	<0.5
	07/25/94	—	—	—	—	—	—	—	—	—	—	—
	01/26/95	—	—	—	—	—	—	—	—	—	—	—
	07/26/95	—	—	—	—	—	—	—	—	—	—	—
	01/18/96	—	—	—	—	—	—	—	—	—	—	—
	01/16/97	NLPH	0.87	200.62	—	—	—	—	—	—	—	—
	04/21/97	NLPH	0.94	200.55	—	—	—	—	—	—	—	—
	07/09/97	NLPH	1.95	199.54	—	—	—	—	—	—	—	—
	10/27/97	NLPH	2.87	198.62	—	—	—	—	—	—	—	—
	03/25/98	—	—	—	—	—	—	—	—	<0.5	<0.5	<0.5
	06/11/98	NLPH	1.20	200.29	—	—	—	—	—	<0.5	<0.5	<0.5
	09/10/98	NLPH	2.84	198.65	<50	—	<50	—	—	<0.5	<0.5	<0.5
	12/15/98	NLPH	1.11	200.43	—	—	—	—	—	—	—	—
	03/09/99	NLPH	0.31	201.23	—	—	—	—	—	—	—	—
	6/28/99a	NLPH	2.66	198.88	—	—	—	—	—	—	—	—
	09/21/99	NLPH	3.18	198.36	<50	—	<50	—	—	<0.5	<0.5	<0.5
	12/27/99	NLPH	2.50	199.04	—	—	—	—	—	—	—	—
	03/27/00	NLPH	1.52	200.02	—	—	—	—	—	—	—	—
	06/13/00	NLPH	2.57	198.97	<50	—	<50	—	—	<0.5	<0.5	<0.5

06/16/00 - Property transferred to Valero Refining Company.

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
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Well ID # (TOC)	Sampling Date	SUBJ	DTW (fbgs)	GW Elev. (feet)	TPHd <	TPHg <50	MTBE 8021B <2	MTBE 8260B —	B μg/L	T —	E —	X —
MW11 (cont.) (201.54)	09/21/00	NLPH	3.10	198.44	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	12/27/00	NLPH	1.96	199.58	<50e	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	03/26/01	NLPH	1.38	200.16	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	06/29/01	NLPH	2.51	199.03	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	09/24/01	NLPH	3.35	198.19	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
(201.52)	11/01/01 - Well surveyed in compliance with AB 2886 requirements.											
	12/26/01	NLPH	0.45	201.07	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	03/26/02	NLPH	0.84	200.68	<50.0	<50.0	<2.00	—	<0.50	<0.50	<0.50	<0.50
	06/24/02	NLPH	2.78	198.74	54 k	<50	<0.5	—	<0.5	<0.5	<0.5	<0.5
	09/23/02	NLPH	3.71	197.81	91	<50	<0.5	—	<0.5	<0.5	<0.5	0.7
	12/31/02	NLPH	0.00	201.52	<50	<50.0	<0.5	—	<0.5	<0.5	<0.5	<0.5
	03/28/03	NLPH	1.11	200.41	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	06/05/03	NLPH	3.18	198.34	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	09/09/03	NLPH	3.01	198.51	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	12/01/03	NLPH	3.11	198.41	<50	<50.0	<0.5	—	0.5	<0.5	0.9	2.0
	03/23/04	c	c	c	c	c	c	c	c	c	c	c
	06/16/04	c	c	c	c	c	c	c	c	c	c	c
	09/15/04†	c	c	c	c	c	c	c	c	c	c	c
	12/15/04	c	c	c	c	c	c	c	c	c	c	c
	03/16/05	NLPH	1.26	200.26	<50	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
	06/15/05	NLPH	1.27	200.25	t	t	t	t	t	t	t	t
	06/30/05	NLPH	2.17	199.35	—	<50.0	—	<0.50	<0.50	<0.5	0.5	0.7
	09/07/05	NLPH	2.85	198.67	o	<50.0	—	<0.500	<0.50	<0.50	0.86	1.34
MW12 (198.50)	06/27/88	—	—	—	—	ND	—	—	ND	ND	ND	ND
	09/02/88	NLPH	2.79	195.71	—	—	—	—	—	—	—	—
	01/26/89	NLPH	0.84	197.66	—	ND	—	—	ND	ND	ND	ND
	03/27/89	NLPH	0.60	197.90	—	—	—	—	—	—	—	—
	04/25/89	NLPH	0.80	197.70	—	ND	—	—	ND	ND	ND	ND
	07/26/89	NLPH	1.37	197.13	—	ND	—	—	ND	ND	ND	ND
	10/24/89	NLPH	0.71	197.79	—	ND	—	—	ND	ND	ND	ND
	12/18/89	NLPH	1.07	197.43	—	—	—	—	—	—	—	—
	01/26/90	NLPH	0.87	197.63	—	ND	—	—	ND	ND	ND	ND
	02/18/90	NLPH	0.58	197.92	—	—	—	—	—	—	—	—
	03/13/90	NLPH	0.77	197.73	—	—	—	—	—	—	—	—
	04/19/90	NLPH	1.05	197.45	—	ND	—	—	ND	ND	ND	ND
	07/26/90	—	—	—	—	ND	—	—	ND	ND	ND	ND
	10/11/90	—	—	—	—	<1.0	—	<0.3	<0.3	<0.3	<0.3	<0.6
	04/23/91	—	—	—	—	<1.0	—	<0.3	<0.3	<0.3	<0.3	<0.6
	07/25/91	—	—	—	—	<50	—	<0.5	<0.5	<0.5	<0.5	<0.5
	10/03/91	—	—	—	—	<50	—	<0.5	<0.5	<0.5	<0.5	<0.5
	01/20/92	—	—	—	—	<50	—	<0.5	<0.5	<0.5	<0.5	<0.5
	04/30/92	—	—	—	—	<50	—	<0.5	<0.5	<0.5	<0.5	<0.5
	11/02/92	—	—	—	—	<50	—	<0.5	<0.5	<0.5	<0.5	<0.5

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Well ID # (TOC)	Sampling Date	SUBJ	DTW (fbgs)	GW Elev. (feet)	TPHd	TPHg	<-----		B	T	E	X
							MTBE 8021B	MTBE 8260B				
μg/L												
MW12 (cont.)	12/10/92	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
(198.50)	03/29/93	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	06/16/93	—	—	—	—	<50	—	—	0.8	<0.5	<0.5	<0.5
	07/26/93	—	—	—	—	<50	—	—	—	—	—	—
	01/19/94	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	07/25/94	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	01/26/95	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	07/26/95	—	—	—	<50	200	—	—	6.6	9.1	10	29
	01/18/96	—	—	—	63	<50	<10,000	—	<0.5	<0.5	<0.5	<0.5
	01/16/97	NLPH	0.65	197.85	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
	04/21/97	NLPH	0.62	197.88	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
	07/09/97	NLPH	1.64	196.86	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
	10/27/97	NLPH	1.65	196.85	—	<50	—	—	—	—	—	—
	03/25/98	—	—	—	—	<50	—	—	—	—	—	—
	06/11/98	NLPH	0.77	197.73	—	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	09/10/98	NLPH	1.55	196.95	<50	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	12/15/98	NLPH	0.89	197.61	—	<50	—	—	—	—	—	—
	03/09/99	NLPH	0.08	198.42	—	<50	—	—	—	—	—	—
	06/28/99	c	—	—	—	<50	—	—	—	—	—	—
(198.51)	09/21/99	c	—	—	—	<50	—	—	—	—	—	—
	12/27/99	c	—	—	—	<50	—	—	—	—	—	—
	03/27/00	c	—	—	—	<50	—	—	—	—	—	—
	06/13/00	NLPH	1.00	197.51	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
06/16/00 - Property transferred to Valero Refining Company.												
	09/21/00	NLPH	1.53	196.98	110	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	12/27/00	NLPH	0.90	197.61	63e	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	03/26/01	NLPH	0.81	197.70	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	06/29/01	NLPH	1.01	197.50	55	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	09/24/01	NLPH	1.52	196.99	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
(198.47)	11/01/01 - Well surveyed in compliance with AB 2886 requirements.											
	12/26/01	NLPH	0.59	197.88	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	03/26/02	NLPH	0.68	197.79	<50.0	<50.0	<2.00	—	<0.50	<0.50	<0.50	<0.50
	06/24/02	NLPH	1.51	196.96	86 k	<50	<0.5	—	<0.5	<0.5	<0.5	<0.5
	09/23/02	NLPH	1.70	196.77	69	<50	<0.5	—	<0.5	<0.5	<0.5	<0.5
	12/31/02	NLPH	0.00	198.47	53	<50.0	<0.5	—	<0.5	<0.5	<0.5	<0.5
	03/28/03	NLPH	1.78	196.69	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	06/05/03	NLPH	0.98	197.49	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	09/09/03	NLPH	1.13	197.34	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	12/01/03	NLPH	3.54	194.93	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	03/23/04	NLPH	1.89	196.58	<50	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
	06/16/04	NLPH	2.27	196.20	<50	<50.0	<0.5	—	1.20	<0.5	0.6	1.4
	09/15/04r	NLPH	2.21	196.26	<50	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
	12/15/04	NLPH	1.91	196.56	62i	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5

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Well ID # (TOC)	Sampling Date	SUBJ	DTW (fbgs)	GW Elev. (feet)	TPHd	TPHg	MTBE 8021B		MTBE 8260B μg/L	B	T	E	X
							—	—					
MW12 (cont.) (198.47)	03/16/05	NLPH	2.01	196.46	<50	<50.0	—	—	<0.50	<0.50	<0.5	<0.5	<0.5
	06/15/05	NLPH	2.12	196.35	t	t	t	—	t	t	t	t	t
	06/30/05	NLPH	2.19	196.28	<50	<50.0	—	—	<0.50	<0.50	<0.5	<0.5	0.6
	09/07/05	NLPH	2.29	196.18	<50	<50.0	—	—	<0.500	<0.50	<0.50	<0.50	<0.50
MW13 (198.12)	04/19/90	NLPH	2.38	195.74	—	—	ND	—	—	—	ND	ND	ND
	07/26/90	NLPH	—	—	—	—	—	—	—	—	<.3	<.3	<.3
	10/11/90	NLPH	—	—	—	—	—	—	—	—	<.3	<.3	<.3
	04/23/91	NLPH	—	—	—	—	—	—	—	—	<.5	<.5	<.5
	07/25/91	NLPH	—	—	—	—	—	—	—	—	<.5	<.5	<.5
	10/03/91	NLPH	—	—	—	—	—	—	—	—	<.5	<.5	<.5
	01/20/92	NLPH	—	—	—	—	—	—	—	—	<.5	<.5	<.5
	04/30/92	NLPH	—	—	—	—	—	—	—	—	<.5	<.5	<.5
	11/02/92	—	—	—	—	—	—	—	—	—	—	—	—
	12/10/92	—	—	—	—	—	—	—	—	—	—	—	—
	03/29/93	NLPH	—	—	—	—	—	—	—	0.8	—	—	—
	06/16/93	—	—	—	—	—	—	—	—	—	—	—	—
	07/26/93	—	—	—	—	—	—	—	—	—	—	—	—
	01/19/94	—	—	—	—	—	—	—	—	—	—	—	—
	07/25/94	—	—	—	—	—	—	—	—	—	—	—	—
	01/26/95	—	—	—	—	—	—	—	—	—	—	—	—
	07/26/95	—	—	—	—	—	—	—	—	—	—	—	—
	01/18/96	—	—	—	—	—	—	—	—	—	—	—	—
	01/16/97	NLPH	0.61	197.51	—	—	—	—	—	—	—	—	—
	04/21/97	NLPH	0.68	197.44	—	—	—	—	—	—	—	—	—
	07/09/97	NLPH	1.58	196.54	—	—	—	—	—	—	—	—	—
	10/27/97	NLPH	1.29	196.83	—	—	<50	<30	—	—	<0.5	<0.5	<0.5
	03/25/98	—	—	—	—	—	—	—	—	—	—	—	—
	06/11/98	NLPH	0.1	198.02	—	—	<50	<2.5	—	—	<0.5	<0.5	<0.5
	09/10/98	NLPH	1.13	196.99	<50	<50	<2.5	—	—	<0.5	<0.5	<0.5	<0.5
	12/15/98	NLPH	0.5	197.62	—	—	—	—	—	—	—	—	—
	03/09/99	NLPH	g	g	—	—	—	—	—	—	—	—	—
	6/28/99a	NLPH	0.73	197.39	—	—	—	—	—	—	—	—	—
	09/21/99	NLPH	0.9	197.22	<50	<50	<2.5	—	—	<0.5	<0.5	<0.5	<0.5
	12/27/99	NLPH	1	197.12	—	—	—	—	—	—	—	—	—
	03/27/00	NLPH	0.21	197.91	—	—	—	—	—	—	—	—	—
	06/13/00	NLPH	0.7	197.42	<50	<50	<2	—	—	<0.5	<0.5	<0.5	<0.5
06/16/00 - Property transferred to Valero Refining Company.													
09/21/00	NLPH	1.11	197.01	<50	<50	<2	—	—	<0.5	<0.5	<0.5	<0.5	<0.5
12/27/00	NLPH	0.91	197.21	60e	<50	<2	—	—	<0.5	<0.5	<0.5	<0.5	<0.5
03/26/01	NLPH	0.31	197.81	<50	<50	<2	—	—	<0.5	<0.5	<0.5	<0.5	<0.5
06/29/01	NLPH	0.84	197.28	59	<50	<2	—	—	<0.5	<0.5	<0.5	<0.5	<0.5

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0276  
1400 Farmers Lane  
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Well ID # (TOC)	Sampling Date	SUBJ	DTW (fbgs)	GW Elev. (feet)	TPHd	TPHg	MTBE 8021B	MTBE 8260B	B	T	E	X
								µg/L				
MW13 (cont.)	09/24/01	NLPH	1.22	196.90	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
(198.12)	11/01/01 - Well surveyed in compliance with AB 2886 requirements.											
	12/26/01	NLPH	0.38	197.74	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	03/26/02	NLPH	0.11	198.01	<50.0	<50.0	<2.00	—	<0.50	<0.50	<0.50	<0.50
	06/24/02	NLPH	0.77	197.35	<52 k	<50	<0.5	—	<0.5	<0.5	<0.5	<0.5
	09/23/02	NLPH	1.04	197.08	87	<50	<0.5	—	<0.5	<0.5	<0.5	<0.5
	12/31/02	NLPH	0.00	198.12	53	<50.0	<0.5	—	<0.5	<0.5	<0.5	<0.5
	03/28/03	NLPH	0.25	197.87	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	06/05/03	NLPH	0.40	197.72	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	09/09/03	NLPH	1.20	196.92	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	12/01/03	NLPH	3.61	194.51	<50.	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	03/23/04	NLPH	0.91	197.21	72	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
	06/16/04	NLPH	1.00	197.12	<50	<50.0	<0.50	—	<0.50	<0.5	<0.5	<0.5
	09/15/04r	s	s	s	<50s	<50.0s	—	<0.50s	<0.50s	<0.5s	<0.5s	<0.5s
	12/15/04	NLPH	6.99	191.13	<50	<50.0	<0.50	—	<0.50	<0.5	<0.5	<0.5
	03/16/05	NLPH	0.93	197.19	<50	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
	06/15/05	NLPH	1.33	196.79	t	t	t	t	t	t	t	t
	06/30/05	NLPH	2.77	195.35	<50	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
	09/07/05	NLPH	1.79	196.33	<50	<50.0	—	<0.500	<0.50	<0.50	<0.50	<0.50
MW14	04/19/90	NLPH	6.98	191.39	—	ND	—	—	ND	ND	ND	ND
(198.37)	07/26/90	NLPH	—	—	—	ND	—	—	ND	ND	ND	ND
	10/11/90	NLPH	—	—	—	<1.0	—	—	<0.3	<0.3	<0.3	<0.6
	04/23/91	NLPH	—	—	—	<1.0	—	—	<0.3	<0.3	<0.3	<0.6
	07/25/91	NLPH	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	10/03/91	NLPH	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	01/20/92	NLPH	—	—	—	<50	—	—	1.3	0.9	<0.5	<0.5
	04/30/92	NLPH	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	11/02/92	NLPH	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	12/10/92	NLPH	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	03/29/93	NLPH	—	—	—	<50	—	—	0.6	<0.5	0.8	1.4
	06/16/93	—	—	—	—	—	—	—	—	—	—	—
	07/26/93	NLPH	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	01/19/94	NLPH	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	07/25/94	NLPH	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	01/26/95	NLPH	—	—	—	<50	<50	—	<0.5	<0.5	<0.5	<0.5
	07/26/95	NLPH	—	—	—	<50	<50	<10,000	<0.5	<0.5	<0.5	<0.5
	01/18/96	NLPH	—	—	—	<50	—	—	1.6	1	1.6	7.5
	01/16/97	NLPH	1.38	196.99	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
	04/21/97	NLPH	1.98	196.39	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
	07/09/97	NLPH	2.69	195.68	—	<50	<30	—	0.88	1	<0.5	1
	10/27/97	NLPH	3.12	195.25	—	—	—	—	—	—	—	—
	03/25/98	—	—	—	—	—	—	—	—	—	—	—
	06/11/98	NLPH	1.63	196.74	—	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0276  
1400 Farmers Lane  
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Well ID # (TOC)	Sampling Date	SUBJ	DTW (ftbgs)	GW Elev. (feet)	TPHd	TPHg	MTBE 8021B	MTBE 8260B	B	T	E	X
μg/L												
MW14 (cont.)	09/10/98	NLPH	2.47	195.90	<50	<50	<2.5	--	<0.5	<0.5	<0.5	0.78
(198.37)	12/15/98	NLPH	1.81	196.56	--	--	--	--	--	--	--	--
	03/09/99	NLPH	1.26	197.11	--	--	--	--	--	--	--	--
	6/28/99a	NLPH	2.62	195.75	--	--	--	--	--	--	--	--
	09/21/99	NLPH	2.64	195.73	<50	<50	<2.5	--	<0.5	<0.5	<0.5	<0.5
	12/27/99	NLPH	2.62	195.75	--	--	--	--	--	--	--	--
	03/27/00	NLPH	2.01	196.36	--	--	--	--	--	--	--	--
	06/13/00	NLPH	2.22	196.15	<50	<50	<2	--	<0.5	<0.5	<0.5	<0.5
06/16/00 - Property transferred to Valero Refining Company.												
	09/21/00	NLPH	2.41	195.96	<50	<50	<2	--	<0.5	<0.5	<0.5	<0.5
	12/27/00	NLPH	3.14	195.23	61 F691f	<50	<2	--	<0.5	<0.5	<0.5	<0.5
	03/26/01	NLPH	2.65	195.72	<50	<50	<2	--	<0.5	<0.5	<0.5	<0.5
	06/29/01	NLPH	2.63	195.74	68	<50	<2	--	<0.5	<0.5	<0.5	<0.5
	09/24/01	NLPH	4.30	194.07	<50	<50	<2	--	<0.5	<0.5	<0.5	<0.5
(198.38)	11/01/01 - Well surveyed in compliance with AB 2886 requirements.											
	12/26/01	NLPH	2.81	195.57	<50	<50	<2	--	<0.5	<0.5	<0.5	<0.5
	03/26/02	NLPH	2.32	196.06	<50.0	<50.0	<2.00	--	<0.50	<0.50	<0.50	<0.50
	06/24/02	NLPH	3.11	195.27	<52 k	<50	<0.5	--	<0.5	<0.5	<0.5	<0.5
	09/23/02	NLPH	3.07	195.31	51	<50	<0.5	--	<0.5	<0.5	<0.5	<0.5
	12/31/02	NLPH	1.59	196.79	<50	<50.0	<0.5	--	<0.5	<0.5	<0.5	<0.5
	03/28/03	NLPH	1.99	196.39	<50	<50.0	<0.5	--	<0.5	<0.5	<0.5	<0.5
	06/05/03	NLPH	2.21	196.17	<50	<50.0	<0.5	--	<0.50	<0.5	<0.5	<0.5
	09/09/03	NLPH	3.34	195.04	<50	<50.0	<0.5	--	<0.50	<0.5	<0.5	<0.5
(198.38)	12/01/03	NLPH	3.10	195.28	<50	<50.0	<0.5	--	<0.50	<0.5	<0.5	<0.5
	03/23/04	NLPH	1.93	196.45	<50	<50.0	--	<0.50	<0.50	<0.5	<0.5	<0.5
	06/16/04	NLPH	2.21	196.17	<50	<50.0	<0.5	--	<0.50	<0.5	<0.5	<0.5
	09/15/04r	NLPH	3.27	195.11	<50	<50.0	--	<0.50	0.60	<0.5	<0.5	<0.5
	12/15/04	NLPH	8.60	189.78	<50	<50.0	--	<0.50	<0.50	<0.5	1.2	1.1
	03/16/05	NLPH	8.39	189.99	<50	<50.0	--	<0.50	1.40	1.2	2.3	2.0
	06/15/05	NLPH	7.30	191.08	t	t	t	t	t	t	t	t
	06/30/05	NLPH	9.36	189.02	<50	<50.0	--	0.60	1.80	1.2	2.6	3.8
	09/07/05	NLPH	5.62	192.76	<50	<50.0	--	<0.500	<0.50	<0.50	<0.50	<0.50
MW15	06/13/00	NLPH	1.61	195.91	<50	<50	45/37f	37	1.5	2.4	0.51	1
(197.52)	06/16/00 - Property transferred to Valero Refining Company.											
	09/21/00	NLPH	2.4	195.12	<50	63	100	86	5.6	3.7	3.8	12.9
	12/27/00	NLPH	2.99	194.53	93e	<50	120	94	0.64	<0.5	<0.5	<0.5
	03/26/01	NLPH	2.17	195.35	<50	<50	330	370	3.6	<0.5	1.9	0.64
	06/29/01	NLPH	1.69	195.83	<50	<50	460	320	<0.5	<0.5	<0.5	<0.5
	09/24/01	NLPH	2.77	194.75	<50	<50	850	1,000	<0.5	<0.5	<0.5	<0.5
(197.52)	11/01/01 - Well surveyed in compliance with AB 2886 requirements.											
	12/26/01	NLPH	2.51	195.01	<50	<50	2,400	2,700	4.9	0.78	4.4	4.9
	03/26/02	NLPH	1.11	196.41	<50.0	1,020	2,340	3,960	24.3	3.70	17.4	14.3
	06/24/02	NLPH	1.51	196.01	97 k	1,300	2,240	2,100	<0.5	<0.5	<0.5	<0.5

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0276  
1400 Farmers Lane  
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Well ID # (TOC)	Sampling Date	SUBJ	DTW (fbgs)	GW Elev. (feet)	TPHd	TPHg	MTBE 8021B	MTBE 8260B	B μg/L	T	E	X
MW15 (cont.) (197.52)	09/23/02	NLPH	1.15	196.37	62	1,460	1,760	2,260	1.5	1.1	4.8	5.3
	12/31/02	NLPH	0.60	196.92	351	747	787	936	4.4	2.7	4.5	7.0
	03/28/03	NLPH	1.55	195.97	<50	415	397	332	5.30	3.1	4.6	6.3
	06/05/03	NLPH	0.89	196.63	<50m	219	117	334	<0.50	<0.5	<0.5	<0.5
	09/09/03	NLPH	1.81	195.71	<50	114	126	131	<0.50	<0.5	<0.5	<0.5
	12/01/03	NLPH	0.60	196.92	<50	67.6	38.1	36.7	1.40	1.2	3.2	6.7
	03/23/04	NLPH	2.10	195.42	<50	<50.0	—	67.8	<0.50	<0.5	<0.5	<0.5
	06/16/04	NLPH	1.14	196.38	<50	66.3	54.0	58.7	<0.50	0.7	0.7	1.8
	09/15/04r	NLPH	2.76	194.76	<50	<50.0	—	33.2	<0.50	<0.5	<0.5	<0.5
	12/15/04	NLPH	1.37	196.15	52i	<50.0	—	13.6	1.20	<0.5	0.9	0.8
	03/16/05	NLPH	1.97	195.55	<50	94.6	—	19.0	2.80	2.0	3.6	4.1
	06/15/05	NLPH	2.82	194.70	t	t	t	t	t	t	t	t
	06/30/05	NLPH	2.41	195.11	<50	<50.0	—	28.3	1.00	0.8	1.5	2.3
	09/07/05	NLPH	1.94	195.58	<50	<50.0	—	34.8	0.59	<0.50	1.90	0.99
RW1 (198.86)												
MW16 (201.29)												
	10/20/03 - Well surveyed in compliance with AB 2886 requirements.											
	12/01/03	NLPH	1.89	199.40	—	—	—	—	—	—	—	—
	12/02/03	—	—	—	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	03/23/04	NLPH	7.34	193.95	<50	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
	06/16/04	NLPH	1.88	199.41	64	<50.0	<0.5	—	1.20	<0.5	0.5	1.7
	09/15/04r	NLPH	2.12	199.17	<50	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
	12/15/04	NLPH	2.30	198.99	88i	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
	03/16/05	NLPH	1.24	200.05	<50	<50.0	—	<0.50	<0.50	<0.5	<0.5	1.2
	06/15/05	NLPH	1.54	199.75	t	t	t	t	t	t	t	t
	06/30/05	NLPH	1.80	199.49	<50	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
	09/07/05	NLPH	2.00	199.29	80.4i	<50.0	—	<0.500	<0.50	<0.50	<0.50	<0.50
MW17 (199.79)												
	10/20/03 - Well surveyed in compliance with AB 2886 requirements.											
	12/01/03	NLPH	2.51	197.28	—	—	—	—	—	—	—	—
	12/02/03	—	—	—	<50	<50.0	1.7	1.80	<0.50	<0.5	<0.5	<0.5
	03/23/04	NLPH	0.00	199.79	<50	<50.0	—	2.30	<0.50	<0.5	<0.5	<0.5
	06/16/04	NLPH	0.64	199.15	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	0.9
	09/15/04r	NLPH	1.20	198.59	<50	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
	12/15/04	NLPH	0.90	198.89	66i	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
	03/16/05	NLPH	0.00	199.79	177i	<50.0	—	<0.50	<0.50	<0.5	<0.5	0.9
	06/15/05	NLPH	0.00	199.79	t	t	t	t	t	t	t	t
	06/30/05	NLPH	0.02	199.77	86	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
	09/07/05	NLPH	0.57	199.22	233i	<50.0	—	<0.500	<0.50	<0.50	0.66	0.53

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0276  
1400 Farmers Lane  
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Well ID # (TOC)	Sampling Date	SUBJ	DTW (ftgss)	GW Elev. (feet)	TPHd <--	TPHg	MTBE 8021B	MTBE 8260B μg/L-->	B	T	E	X
MW18 10/20/03 - Well surveyed in compliance with AB 2886 requirements.												
(202.15)	11/03/04	NLPH	6.02	196.13	481	<50.0	--	<0.50	0.50	0.8	<0.5	1.4
	12/15/04	NLPH	5.72	196.43	<50	<50.0	--	<0.50	0.50	<0.5	0.7	1.7
	03/16/05	NLPH	5.46	196.69	<50	<50.0	--	<0.50	<0.50	<0.5	<0.5	<0.5
	06/15/05	NLPH	5.73	196.42	t	t	t	t	t	t	t	t
	06/30/05	NLPH	6.10	196.05	<50	<50.0	--	<0.50	<0.50	<0.5	<0.5	<0.5
	09/07/05	NLPH	6.22	195.93	1121	409	---	<0.500	25.7	4.31	22.8	21.4

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0276  
1400 Farmers Lane  
Santa Rosa, California  
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Notes:	Data prior to First Quarter 1998 provided by previous consultant.
TOC	= Top of well casing elevation; datum is mean sea level.
SUBJ	= Results of subjective evaluation.
NLPH	= No liquid-phase hydrocarbons present in well.
sheen	= Liquid-phase hydrocarbons present as a sheen.
DTW	= Depth to water.
GW Elev.	= Groundwater elevation; datum is mean sea level.
fbgs	= Feet below ground surface.
TPHd	= Total petroleum hydrocarbons as diesel analyzed using EPA Method 5030/8015B.
TPHg	= Total petroleum hydrocarbons as gasoline analyzed using EPA Method 5030/8015B.
MTBE	= Methyl tertiary butyl ether analyzed using EPA Method 8015, 8021B, or 8260B, as noted.
BTEX	= Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
ETBE	= Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
TAME	= Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	= Tertiary butyl alcohol analyzed using EPA Method 8260B.
EDB	= 1,2-Dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	= 1,2-Dichloroethane.
DIPE	= Di-isopropyl ether analyzed using EPA Method 8260B.
Ethanol	= Ethanol analyzed using EPA Method 8260B.
Methanol	= Methanol analyzed using EPA Method 8015B.
µg/L	= Micrograms per liter.
ND	= Not detected above the laboratory method reporting limit.
<	= Less than the stated laboratory method reporting limit.
—	= Not sampled/Not measured/Not analyzed.
a	= Monitoring well sampled on an annual basis.
b	= Laboratory analytical chromatogram pattern: unidentified hydrocarbons C9-C24.
c	= Well Inaccessible.
d	= Previous consultant's data deemed suspect by ERI.
e	= Diesel-range hydrocarbons detected in bailer blank; result is suspect.
f	= Analyzed using EPA Method 8260B.
g	= Artesian well.
h	= Estimated value between Method Detection Limit and Practical Quantitation Limit.
i	= Diesel-range hydrocarbons detected; however, laboratory indicates that chromatogram pattern does not resemble diesel fuel.
j	= TOC elevation not measured according to AB 2886. Groundwater elevation not used in calculated groundwater flow direction and hydraulic gradient.
k	= Diesel-range hydrocarbons laboratory control data values outside laboratory historical or method prescribed QC limits.
l	= Surrogate out of range.
m	= DRO extraction outside holding time.
o	= Sample container broken in shipment; not analyzed.
p	= DRO extraction sample temperature above acceptable range.
q	= No groundwater recharge after purging.
r	= Sampling date on Chain-of-Custody is incorrect. The correct sampling date is shown.
s	= Groundwater elevation data invalidated; analytical results suspect.
t	= Samples received at laboratory above acceptable temperature range; analyses not performed.

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**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0276  
1400 Farmers Lane  
Santa Rosa, California  
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Well ID #	Sampling Date	ETBE	TAME	TBA	EDB	1,2-DCA	DIPE	Ethanol	Methanol
μg/L									
MW1	06/22/88 - 10/27/97	Not analyzed for these analytes.							
	03/25/98	<2.0	<2.0	<100	—	—	<2.0	<500	—
	06/11/98 - 06/13/00	Not analyzed for these analytes.							
	06/16/00 - Property transferred to Valero Refining Company								
	09/21/00 - 12/01/03	Not analyzed for these analytes.							
	03/23/04	<0.50	<0.50	32.1	<0.50	<0.50	<0.50	—	—
	06/16/04	—	—	—	—	—	—	<50.0	—
	09/15/04r	—	—	—	—	—	—	—	—
	12/15/04	<0.50	<0.50	26.9	<0.50	<0.50	<0.50	<50.0	<10,000
	03/16/05	<0.50	<0.50	18.2	<0.50	<0.50	<0.50	<0.50	—
	06/15/05	t	t	t	t	t	t	t	t
	06/30/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—	—
	09/07/05	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	<50.0	—
MW2	06/22/88 - 10/27/97	Not analyzed for these analytes.							
	03/25/98	<2.0	<2.0	<100	—	—	<2.0	<500	—
	06/11/98 - 06/13/00	Not analyzed for these analytes.							
	06/16/00 - Property transferred to Valero Refining Company								
	09/21/00 - 12/01/03	Not analyzed for these analytes.							
	03/23/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—	—
	06/16/04	—	—	—	—	—	—	<50.0	—
	09/15/04r	—	—	—	—	—	—	—	—
	12/15/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	<10,000
	03/16/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	—
	06/15/05	t	t	t	t	t	t	t	t
	06/30/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—	—
	09/07/05	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	<50.0	—
MW3	06/22/88 - 10/27/97	Not analyzed for these analytes.							
	03/25/98	<6.7	<6.7	<330	—	—	<6.7	<1,700	ND
	06/11/98 - 06/13/00	Not analyzed for these analytes.							
	06/16/00 - Property transferred to Valero Refining Company								
	09/26/00 - 12/01/03	Not analyzed for these analytes.							
	03/23/04	<0.50	<0.50	123	<0.50	<0.50	<0.50	—	—
	06/16/04	—	—	—	—	—	—	<50.0	—
	09/15/04r	—	—	—	—	—	—	—	—
	12/15/04	<0.50	<0.50	56.2	<0.50	<0.50	<0.50	<50.0	<10,000
	03/16/05	<0.50	<0.50	122	<0.50	<0.50	<0.50	<50.0	—
	06/15/05	t	t	t	t	t	t	t	t
	06/30/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—	—
	09/07/05	<0.500	<0.500	22.8	<0.500	<0.500	<0.500	<50.0	—

**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0276  
1400 Farmers Lane  
Santa Rosa, California  
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Well ID #	Sampling Date	ETBE	TAME	TBA	EDB	1,2-DCA	DIPE	Ethanol	Methanol
←                          → μg/L									
MW4	06/22/88 - 10/27/97	Not analyzed for these analytes.							
	03/25/98	<2.0	<2.0	<100	—	—	<2.0	<500	—
	06/11/98 - 06/13/00	Not analyzed for these analytes.							
	06/16/00 -	Property transferred to Valero Refining Company							
	09/21/00 - 12/01/03	Not analyzed for these analytes.							
	03/23/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—	—
	06/16/04	—	—	—	—	—	—	<50.0	—
	09/15/04r	—	—	—	—	—	—	—	—
	12/15/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	<10,000
	03/16/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	—
	06/15/05	t	t	t	t	t	t	t	—
	06/30/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—	—
	09/07/05	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	<50.0	—
MW5	06/22/88 - 10/27/97	Not analyzed for these analytes.							
	03/25/98	<2.0	<2.0	<100	—	—	<2.0	<500	5,700
	06/11/98 - 06/13/00	Not analyzed for these analytes.							
	06/16/00 -	Property transferred to Valero Refining Company							
	09/26/00 - 12/01/03	Not analyzed for these analytes.							
	03/23/04	<0.50	<0.50	49	<0.50	<0.50	<0.50	—	—
	06/16/04	—	—	—	—	—	—	<50.0	—
	09/15/04r	—	—	—	—	—	—	—	—
	12/15/04	<0.50	<0.50	48.5	<0.50	<0.50	<0.50	<50.0	<10,000
	03/16/05	<0.50	<0.50	111	<0.50	<0.50	<0.50	<50.0	—
	06/15/05	t	t	t	t	t	t	t	—
	06/30/05	<0.50	<0.50	18.4	<0.50	<0.50	<0.50	—	—
	09/07/05	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	<50.0	—
MW6	06/22/88 - 06/13/00	Not analyzed for these analytes.							
	06/16/00 -	Property transferred to Valero Refining Company							
	09/21/00 - 12/01/03	Not analyzed for these analytes.							
	03/23/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—	—
	06/16/04	c	c	c	c	c	c	c	c
	09/15/04r	—	—	—	—	—	—	—	—
	12/15/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	<10,000
	03/16/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	—
	06/15/05	t	t	t	t	t	t	t	—
	06/30/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—	—
	09/07/05	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	<50.0	—

**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0276  
1400 Farmers Lane  
Santa Rosa, California  
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Well ID #	Sampling Date	ETBE	TAME	TBA	EDB	1,2-DCA	DIPE	Ethanol	Methanol
		μg/L							
MW7	08/12/88 - 10/27/97	Not analyzed for these analytes.							
	03/25/98	<2.0	<2.0	<100	—	—	<2.0	<500	—
	06/11/98 - 06/13/00	Not analyzed for these analytes.							
	06/16/00 - Property transferred to Valero Refining Company								
	09/21/00 - 12/01/03	Not analyzed for these analytes.							
	03/23/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—	—
	06/16/04	—	—	—	—	—	—	<50.0	—
	09/15/04r	—	—	—	—	—	—	—	—
	12/15/04	<0.50	<0.50	14.4	<0.50	<0.50	<0.50	<50.0	<10,000
	03/16/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	—
	06/15/05	t	t	t	t	t	t	t	t
	06/30/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—	—
	09/07/05	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	<50.0	—
MW8	08/12/88 - 10/27/97	Not analyzed for these analytes.							
	03/25/98	<2.0	<2.0	<100	—	—	<2.0	<500	—
	06/11/98 - 06/13/00	Not analyzed for these analytes.							
	06/16/00 - Property transferred to Valero Refining Company								
	09/21/00 - 12/01/03	Not analyzed for these analytes.							
	03/23/04	<0.50	<0.50	16.4	<0.50	<0.50	<0.50	—	—
	06/16/04	—	—	—	—	—	—	<50.0	—
	09/15/04r	—	—	—	—	—	—	—	—
	12/15/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	<10,000
	03/16/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	—
	06/15/05	t	t	t	t	t	t	t	—
	06/30/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—	—
	09/07/05	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	<50.0	—
MW9	08/12/88 - 10/27/97	Not analyzed for these analytes.							
	03/25/98	<2.0	<2.0	<100	—	—	<2.0	<500	—
	06/11/98 - 06/13/00	Not analyzed for these analytes.							
	06/16/00 - Property transferred to Valero Refining Company								
	09/21/00 - 12/02/03	Not analyzed for these analytes.							
	03/23/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—	—
	06/16/04	—	—	—	—	—	—	<50.0	—
	09/15/04r	—	—	—	—	—	—	—	—
	12/15/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	<10,000
	03/16/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	—
	06/15/05	t	t	t	t	t	t	t	t
	06/30/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—	—
	09/07/05	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	<50.0	—

**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0276  
1400 Farmers Lane  
Santa Rosa, California  
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Well ID #	Sampling Date	ETBE	TAME	TBA	EDB	1,2-DCA	DIPE	Ethanol	Methanol
MW10	08/12/88 - 06/13/00	Not analyzed for these analytes.							
	06/16/00 - Property transferred to Valero Refining Company								
	09/21/00 - 03/23/04	Not analyzed for these analytes.							
	06/16/04	--	--	--	--	--	--	<50.0	--
	09/15/04r	--	--	--	--	--	--	--	--
	12/15/04	<0.50	<0.50	59.5	<0.50	<0.50	<0.50	<50.0	<10,000
	03/16/05	<0.50	<0.50	83.9	<0.50	<0.50	<0.50	<50.0	--
	06/15/05	t	t	t	t	t	t	t	--
	06/30/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	--	t
	09/07/05	<0.500	<0.500	39.0	<0.500	<0.500	<0.500	<50.0	--
MW11	06/27/88 - 06/13/03	Not analyzed for these analytes.							
	06/16/00 - Property transferred to Valero Refining Company								
	09/21/00 - 12/01/03	Not analyzed for these analytes.							
	03/23/04	c	c	c	c	c	c	c	c
	06/16/04	c	c	c	c	c	c	c	c
	09/15/04r	c	c	c	c	c	c	c	c
	12/15/04	c	c	c	c	c	c	c	c
	03/16/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	--
	06/15/05	t	t	t	t	t	t	t	t
	06/30/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	--	--
	09/07/05	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	<50.0	--
MW12	06/27/88 - 06/13/03	Not analyzed for these analytes.							
	06/16/00 - Property transferred to Valero Refining Company								
	09/21/00 - 12/01/03	Not analyzed for these analytes.							
	03/23/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	--	--
	06/16/04	--	--	--	--	--	--	<50.0	--
	09/15/04r	--	--	--	--	--	--	--	--
	12/15/04	<0.50	1.00	<10.0	<0.50	<0.50	<0.50	<50	<10,000
	03/16/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	--
	06/15/05	t	t	t	t	t	t	t	--
	06/30/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	--	t
	09/07/05	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	<50.0	--

**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0276  
1400 Farmers Lane  
Santa Rosa, California  
(Page 5 of 7)

Well ID #	Sampling Date	ETBE	TAME	TBA	EDB	1,2-DCA	DIPE	Ethanol	Methanol
						μg/L			
MW13	04/19/90 - 06/13/03	Not analyzed for these analytes.							
	06/16/00 -	Property transferred to Valero Refining Company							
	09/21/00 - 12/01/03	Not analyzed for these analytes.							
	03/23/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—	—
	06/16/04	—	—	—	—	—	—	<50.0	—
	09/15/04r	—	—	—	—	—	—	—	—
	12/15/04	<0.50	<0.50	59.5	<0.50	<0.50	<0.50	<50.0	<10,000
	03/16/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	—
	06/15/05	t	t	t	t	t	t	t	t
	06/30/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—	—
	09/07/05	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	<50.0	—
MW14	04/19/90 - 06/13/03	Not analyzed for these analytes.							
	06/16/00 -	Property transferred to Valero Refining Company							
	09/21/00 - 12/01/03	Not analyzed for these analytes.							
	03/23/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—	—
	06/16/04	—	—	—	—	—	—	<50.0	—
	09/15/04r	—	—	—	—	—	—	—	—
	12/15/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	<10,000
	03/16/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	—
	06/15/05	t	t	t	t	t	t	t	t
	06/30/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—	—
	09/07/05	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	<50.0	—
MW15	06/13/00	—	—	—	—	—	—	—	—
	06/16/00 -	Property transferred to Valero Refining Company							
	09/21/00 - 12/01/03	Not analyzed for these analytes.							
	03/23/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—	—
	06/16/04	—	—	—	—	—	—	<50.0	—
	09/15/04r	—	—	—	—	—	—	—	—
	12/15/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	<10,000
	03/16/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	—
	06/15/05	t	t	t	t	t	t	t	t
	06/30/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—	—
	09/07/05	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	<50.0	—
RW1	01/16/97 - 09/15/04	Not analyzed for these analytes. No previous analytical data available.							
	12/15/04	<0.50	<0.50	59.5	<0.50	<0.50	<0.50	<50.0	<10,000

**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0276  
1400 Farmers Lane  
Santa Rosa, California  
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Well ID #	Sampling Date	ETBE	TAME	TBA	EDB	1,2-DCA			Ethanol	Methanol
						µg/L				
MW16	12/01/03	--	--	--	--	--	--	--	--	--
	12/02/03	--	--	--	--	--	--	--	--	--
	03/23/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<0.50	--	--
	06/16/04	--	--	--	--	--	--	--	--	--
	09/15/04r	--	--	--	--	--	--	--	<50.0	--
	12/15/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<0.50	<50.0	<10,000
	03/16/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<0.50	<50.0	--
	06/15/05	t	t	t	t	t	t	t	t	--
	06/30/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<0.50	t	--
	09/07/05	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	<0.500	<50.0	--
MW17	12/01/03	--	--	--	--	--	--	--	--	--
	12/02/03	--	--	--	--	--	--	--	--	--
	03/23/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<0.50	--	--
	06/16/04	--	--	--	--	--	--	--	--	--
	09/15/04r	--	--	--	--	--	--	--	<50.0	--
	12/15/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<0.50	<50.0	<10,000
	03/16/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<0.50	<50.0	--
	06/15/05	t	t	t	t	t	t	t	t	--
	06/30/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<0.50	--	--
	09/07/05	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	<0.500	<50.0	--
MW18	12/15/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<0.50	<50.0	<10,000
	03/16/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<0.50	<50.0	--
	06/15/05	t	t	t	t	t	t	t	t	--
	06/30/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<0.50	--	--
	09/07/05	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	<0.500	<50.0	--

**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0276  
1400 Farmers Lane  
Santa Rosa, California  
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Notes:		Data prior to First Quarter 1998 provided by previous consultant.
TOC	=	Top of well casing elevation; datum is mean sea level.
SUBJ	=	Results of subjective evaluation.
NLPH	=	No liquid-phase hydrocarbons present in well.
sheen	=	Liquid-phase hydrocarbons present as a sheen.
DTW	=	Depth to water.
GW Elev.	=	Groundwater elevation; datum is mean sea level.
fbs	=	Feet below ground surface.
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using EPA Method 5030/8015B.
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 5030/8015B.
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8015, 8021B, or 8260B, as noted.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
EDB	=	1,2-Dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-Dichloroethane.
DIPE	=	Di-Isopropyl ether analyzed using EPA Method 8260B.
Ethanol	=	Ethanol analyzed using EPA Method 8260B.
Methanol	=	Methanol analyzed using EPA Method 8015B.
µg/L	=	Micrograms per liter.
ND	=	Not detected above the laboratory method reporting limit.
<	=	Less than the stated laboratory method reporting limit.
—	=	Not sampled/Not measured/Not analyzed.
a	=	Monitoring well sampled on an annual basis.
b	=	Laboratory analytical chromatogram pattern: unidentified hydrocarbons C9-C24.
c	=	Well inaccessible.
d	=	Previous consultant's data deemed suspect by ERI.
e	=	Diesel-range hydrocarbons detected in bather blank; result is suspect.
f	=	Analyzed using EPA Method 8260B.
g	=	Artesian well.
h	=	Estimated value between Method Detection Limit and Practical Quantitation Limit.
i	=	Diesel-range hydrocarbons detected; however, laboratory indicates that chromatogram pattern does not resemble diesel fuel.
j	=	TOC elevation not measured according to AB 2886. Groundwater elevation not used in calculated groundwater flow direction and hydraulic gradients.
k	=	Diesel-range hydrocarbons laboratory control data values outside laboratory historical or method prescribed QC limits.
l	=	Surrogate out of range.
m	=	DRO extraction outside holding time.
o	=	Sample container broken in shipment; not analyzed.
p	=	DRO extraction sample temperature above acceptable range.
q	=	No groundwater recharge after purging.
r	=	Sampling date on Chain-of-Custody is incorrect. The correct sampling date is shown.
s	=	Groundwater elevation data invalidated; analytical results suspect.
t	=	Samples received at laboratory above acceptable temperature range; analyses not performed.

**TABLE 2**  
**WELL CONSTRUCTION DETAILS**  
Former Exxon Service Station 7-0276  
1400 Farmers Lane  
Santa Rosa, California  
(Page 1 of 1)

Well ID	Date Well Installed	Top of Casing (feet)	Borehole Diameter (Inches)	Total Depth of Boring (fbgs)	Well Depth (fbgs)	Well Casing Diameter (inches)	Well Casing Material	Screened Interval (fbgs)	Slot Size (inches)	Filter Pack Interval (fbgs)	Filter Pack Material
MW1	06/21/88	201.28	7.5	20	20	2	PVC	5-20	0.020	4-20	NS
MW2	06/22/88	201.37	7.5	25	25	2	PVC	5-25	0.020	4-25	NS
MW3	06/22/88	199.21	7.5	20	15	2	PVC	2-15	0.020	2-15	NS
MW4	06/22/88	203.64	10.5	25	20	4	PVC	5-20	0.020	4-20	NS
MW5	06/23/88	200.60	10.5	10	5	4	PVC	1.5-5	0.020	1-5	NS
MW6	06/23/88	203.48	10.5	18	16.5	4	PVC	4.5-16.5	0.020	4-18	NS
MW7	08/08/88	206.42	10.5	23	23	4	PVC	8-23	0.020	6-23	NS
MW8	08/08/88	199.14	10.5	20	20	4	PVC	5-20	0.020	4-20	NS
MW9	08/09/88	203.13	10.5	20	20	4	PVC	6-20	0.020	5-20	NS
MW10	08/09/88	202.34	10.5	15	15	4	PVC	3-15	0.020	2-15	NS
MW11	08/16/88	201.52	10.5	15	15	4	PVC	4-15	0.020	3-15	NS
MW12	08/16/88	198.47	10.5	13	13	4	PVC	2-13	0.020	1.5-13	NS
MW13	04/17/90	198.12	10.5	19.5	19.5	4	PVC	9.5-19.5	0.020	9-19.5	#2 1/2 Sand
MW14	04/17/90	198.38	10.5	16	16	4	PVC	10-16	0.020	9-16	#2 1/2 Sand
MW15	06/09/00	197.52	8	10	7.5	2	NS	2.5-7.5	0.020	2.5-7.5	#3 Sand
MW16	09/30/03 - 10/03/03	201.29	8-15	60	60	2	NS	56-60	0.020	54-60	#3 Sand
MW17	09/29/03 - 10/01/03	200.34	8-15	55.5	54	2	NS	45-54	0.020	44-55.5	#3 Sand
MW18	10/25/04 - 10/27/04	202.15	8-15	48	48	2	NS	43-48	0.020	41-48	#3 Sand

Notes:

fbgs = Feet below ground surface.  
NS = Not specified.

**TABLE 3A**  
**ANALYTICAL LABORATORY RESULTS OF GRAB GROUNDWATER SAMPLES**  
Former Exxon Service Station 7-0276  
1400 Farmers Lane  
Santa Rosa, California  
(Page 1 of 2)

Sample ID	Sample Date	Sample Depth	TPHd	TPHg	MTBE	B	T	E	X	TAME	EDB	1,2-DCA	Ethanol	ETBE	DIPE	TBA
µg/L																
<b>Initial Tank Pit Water Samples</b>																
W-1-TP1	03/01/99	1	100	250	30	17	<0.50	0.71	<0.50	—	—	—	—	—	—	
W-1-TP2	03/01/99	1	<50	<50	170	<0.50	<0.50	<0.50	<0.50	—	—	—	—	—	—	
<b>GeoProbe Samples</b>																
WGP1-7	10/22/01	7	<83	<50	<1.0	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	2.0	—	<1.0	<1.0	
WGP1-21	10/22/01	21	<67	<50	<1.0	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	—	<1.0	<1.0	
WGP2-11	10/22/01	11	<59	<50	<1.0	0.75/<0.50b	<0.50	<0.50	<0.50	<1.0	<1.0	3.0	—	<1.0	<1.0	
WGP3-5	10/23/01	5	<150	<50	<1.0	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	—	<1.0	<1.0	
WGP3-20	10/23/01	20	<79	<50	<1.0	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	—	<1.0	<1.0	
WGP4-5	10/24/01	5	190a	2,000e	<10	43/30b	1.9/<10b	3.5/<10b	3.5/<20b	<10	<10	<10	—	<10	<10	
WGP5-5	10/24/01	5	150a	2,200e	<20	220/200b	260/240b	79/58b	330/260b	<20	<20	<20	—	<20	<20	
WGP5-21	10/24/01	21	<55	1,200e	<10	140/170b	69/78b	54/79b	95/120b	<10	<10	<10	—	<10	<10	
WGP6-6	10/23/01	6	<57	160e	<1.0	27/30b	3/3.1b	16/19b	25/28b	<1.0	<1.0	2.6	—	<1.0	<1.0	
WGP6-21	10/23/01	21	<58	<50	<1.0	1.3/1.3b	<0.50	0.62/<1.0b	<0.50	<1.0	<1.0	<1.0	—	<1.0	<1.0	
WGP7-31	10/24/01	31	70a	<50	<2.0	<0.50	<0.50	<0.50	<0.50	<2.0	<2.0	<2.0	—	<2.0	<2.0	
WGP8-18	10/25/01	18	210a	920	36	<0.50	1.8/5.0b	31/39b	91/100b	<4.0	<4.0	<4.0	—	<4.0	<4.0	
WGP8-32	10/25/01	31	82a	370	9.0	<0.50	1.1/2.6b	14/20b	54/67b	<2.0	<2.0	<2.0	—	<2.0	<2.0	
Standing Water	10/23/01	Surface	<56	<50	<1.0	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	—	<1.0	<1.0	
<b>Initial Grab Groundwater Samples</b>																
W-36-MW16	10/02/03	36	<50	312	11.5b/19.0	<0.50	8.5	11.4	60.7	—	—	—	—	—	—	
W-32-MW17	10/01/03	32	160	<50.0	1.4b/2.00	<0.50	<0.5	0.7	3.2	—	—	—	—	—	—	
W-36-MW18	10/27/04	36	222	76.0	<0.5	1.10	7.8	2.6	11.4	—	—	—	—	—	—	
<b>Soil Boring Samples</b>																
W-5-B15	06/09/00	5	74	55	62c/93	0.97	1.1	1.6	5.1	—	—	—	—	—	—	
W-4-B17	06/09/00	4	<50	<50	<2c	<0.5	<0.5	0.61	3.6	—	—	—	—	—	—	
W-2.5-B18d	12/18/01	2.5	220	1,400	7	120	3.9	180	11	—	—	—	—	—	—	
W-B19	08/19/05	3.0	38,100a	31,000	40.3	400	1,500	360	3,500	<0.500	<0.500	<0.500	<50.0	<0.500	<0.500	
W-B20	08/19/05	4.0	29,600a	71,000	21.2	540	200	2,200	2,800	<0.500	<0.500	<0.500	<50.0	<0.500	<0.500	
W-B21	08/19/05	0.6	1,380a	280	1.50	2.4	0.50	<0.50	1.1	<0.500	<0.500	<0.500	<50.0	<0.500	<0.500	
W-B22	08/19/05	5.5	3,870a	5,100	280	52	6.4	230	490	<0.500	<0.500	<0.500	<50.0	<0.500	<0.500	
W-B23	08/19/05	1.0	130,000a	38,000	18.4	170	130	1,100	5,400	<0.500	<0.500	<0.500	<50.0	<0.500	<0.500	
W-B24	08/19/05	0.3	223	<50	<0.500	<0.50	<0.50	<0.50	1.1	<0.500	<0.500	<0.500	<50.0	<0.500	<0.500	
W-B25	08/19/05	1.0	<55.6	<50	1.16	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.500	<50.0	<0.500	<0.500	

**TABLE 3A**  
**ANALYTICAL LABORATORY RESULTS OF GRAB GROUNDWATER SAMPLES**  
Former Exxon Service Station 7-0276  
1400 Farmers Lane  
Santa Rosa, California  
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Notes:

TPHd	=	Total petroleum hydrocarbons as diesel analyzed using EPA Method 8015M.
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015M.
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
EDB	=	1,2-dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-dichloroethane analyzed using EPA Method 8260B.
Ethanol	=	Ethanol analyzed using EPA Method 8260B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
µg/L	=	Micrograms per liter.
<	=	Less than the stated laboratory reporting limit.
a	=	Chromatogram pattern is not representative of diesel fuel.
b	=	Analyzed and/or confirmed using EPA Method 8260B.
c	=	Analyzed using EPA Method 8021B.
d	=	Sample inadvertently mislabeled in field. The correct sample ID is shown.
e	=	Hydrocarbon pattern is present in the requested fuel quantification range, but does not resemble the pattern for the requested fuel.

**TABLE 3B**  
**ADDITIONAL ANALYTICAL LABORATORY RESULTS OF GRAB GROUNDWATER SAMPLES**  
Former Exxon Service Station 7-0276  
1400 Farmers Lane  
Santa Rosa, California  
(Page 1 of 2)

Sample ID	Sample Date	Sample Depth (ft bgs)	Naphthalene	1,2,4-TMB	1,3,5-TMB	1,2,4-Trichlorobenzene	Isopropylbezene	n-Propylbezene	n-Butylbenzene
<b>Initial Tank Pit Water Samples</b>									
W-1-TP1	03/01/99	1	--	--	--	--	--	--	--
W-1-TP2	03/01/99	1	--	--	--	--	--	--	--
<b>GeoProbe Samples</b>									
WGP1-7	10/22/01	7	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
WGP1-21	10/22/01	21	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
WGP2-11	10/22/01	11	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
WGP3-5	10/23/01	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
WGP3-20	10/23/01	20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
WGP4-5	10/24/01	5	<25	<10	<10	<10	<10	<10	<10
WGP5-5	10/24/01	5	<50	26	<20	<20	<20	<20	<20
WGP5-21	10/24/01	21	<25	14	<10	<10	13	10	<10
WGP6-6	10/23/01	6	1.5	1.2	<1.0	<1.0	<1.0	<1.0	<1.0
WGP6-21	10/23/01	21	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
WGP7-31	10/24/01	31	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
WGP8-18	10/25/01	18	<10	68	20	<4.0	5.9	10	5.4
WGP8-32	10/25/01	31	<5.0	<2.0	10.0	34	2.9	4.1	2.4
Standing Water	10/23/01	surface	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
<b>Initial Grab Groundwater Samples</b>									
W-36-MW16	10/02/03	36	--	--	--	--	--	--	--
W-32-MW17	10/01/03	32	--	--	--	--	--	--	--
W-36-MW18	10/27/04	36	--	--	--	--	--	--	--
<b>Soil Boring Samples</b>									
W-5-B15	06/09/00	5.0	--	--	--	--	--	--	--
W-4-B17	06/09/00	4.0	--	--	--	--	--	--	--
W-2.5-B18	12/18/01	2.5	--	--	--	--	--	--	--
W-B19	08/19/05	3.0	--	--	--	--	--	--	--
W-B20	08/19/05	4.0	--	--	--	--	--	--	--
W-B21	08/19/05	0.6	--	--	--	--	--	--	--
W-B22	08/19/05	5.5	--	--	--	--	--	--	--
W-B23	08/19/05	1.0	--	--	--	--	--	--	--
W-B24	08/19/05	0.3	--	--	--	--	--	--	--
W-B25	08/19/05	1.0	--	--	--	--	--	--	--

**TABLE 3B**  
**ADDITIONAL ANALYTICAL LABORATORY RESULTS OF GRAB GROUNDWATER SAMPLES**  
Former Exxon Service Station 7-0276  
1400 Farmers Lane  
Santa Rosa, California  
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Notes:

Naphthalene	= Napthalene analyzed using EPA Method 8260B.
1,2,4-TMB	= 1,2,4-Trimethylbenzene analyzed using EPA Method 8260B.
1,3,5-TMB	= 1,3,5-Trimethylbenzene analyzed using EPA Method 8260B.
1,2,4-Trichlorobenzene	= 1,2,4-Trichlorobenzene analyzed using EPA Method 8260B.
Isopropylbezene	= Isopropylbezene analyzed using EPA Method 8260B.
n-Propylbezene	= n-Propylbezene analyzed using EPA Method 8260B.
n-Butylbenzene	= N-Butylbenzene analyzed using EPA Method 8260B.
fbgs	= Feet below ground surface.
µg/L	= Micrograms per liter.
<	= Not detected at or above the laboratory reporting limit.
--	= Not sampled/Not analyzed.

**TABLE 4A**  
**ANALYTICAL LABORATORY RESULTS OF SOIL SAMPLES**  
Former Exxon Service Station 7-0276  
1400 Farmers Lane  
Santa Rosa, California  
(Page 1 of 3)

Sample ID	Sample Date	Sample Depth	TPHd	TPHg	MTBE	(BTEX)	B	T	E	X mg/Kg	TAME	EDB	1,2-DCA	ETBE	DIPE	TBA	Ethanol	
<b>Monitoring Well Installation Soil Samples</b>																		
MW-1	06/21/88	4	—	—	13	—	<PQL	—	—	—	—	—	—	—	—	—	—	
MW-1	06/21/88	9	—	—	<PQL	—	<PQL	—	—	—	—	—	—	—	—	—	—	
MW-2	06/22/88	9	—	—	<PQL	—	<PQL	—	—	—	—	—	—	—	—	—	—	
MW-2	06/22/88	19	—	—	<PQL	—	<PQL	—	—	—	—	—	—	—	—	—	—	
MW-3	06/22/88	4	—	—	1000	—	<PQL	—	—	82	—	—	—	—	—	—	—	
MW-3	06/22/88	9	—	—	<PQL	—	<PQL	—	—	—	—	—	—	—	—	—	—	
MW-4	06/22/88	4	—	—	<PQL	—	<PQL	—	—	—	—	—	—	—	—	—	—	
MW-4	06/22/88	9	—	—	<PQL	—	<PQL	—	—	—	—	—	—	—	—	—	—	
MW-5	06/23/88	4	—	—	<PQL	—	<PQL	—	—	—	—	—	—	—	—	—	—	
MW-5	06/23/88	9	—	—	<PQL	—	<PQL	—	—	—	—	—	—	—	—	—	—	
MW-6	06/23/88	4	—	—	27	—	<PQL	—	—	—	—	—	—	—	—	—	—	
MW-6	06/23/88	9	—	—	500	—	<PQL	—	—	—	—	—	—	—	—	—	—	
MW-6	08/08/88	14	—	—	<PQL	—	<PQL	—	—	—	—	—	—	—	—	—	—	
MW-7	08/08/88	9	—	—	<PQL	—	<PQL	—	—	—	—	—	—	—	—	—	—	
MW-7	08/08/88	14	—	—	<PQL	—	<PQL	—	—	—	—	—	—	—	—	—	—	
MW-8	08/08/88	4	—	—	7	—	<PQL	—	—	—	—	—	—	—	—	—	—	
MW-8	08/08/88	9	—	—	<PQL	—	<PQL	—	—	—	—	—	—	—	—	—	—	
MW-9	08/09/88	9	—	—	<PQL	—	<PQL	—	—	—	—	—	—	—	—	—	—	
MW-9	08/09/88	14	—	—	<PQL	—	<PQL	—	—	—	—	—	—	—	—	—	—	
MW-10	08/09/88	4	—	—	<PQL	—	<PQL	—	—	—	—	—	—	—	—	—	—	
MW-10	08/09/88	9	—	—	<PQL	—	<PQL	—	—	—	—	—	—	—	—	—	—	
MW-11	08/16/88	9	—	—	<PQL	—	<PQL	—	—	—	—	—	—	—	—	—	—	
MW-12	08/16/88	4	—	—	<PQL	—	<PQL	—	—	—	—	—	—	—	—	—	—	
MW-13	04/17/90	2	—	—	<PQL	—	<PQL	—	—	—	—	—	—	—	—	—	—	
MW-13	04/17/90	4	—	—	<PQL	—	<PQL	—	—	—	—	—	—	—	—	—	—	
MW-13	04/17/90	5.5	—	—	<PQL	—	<PQL	—	—	—	—	—	—	—	—	—	—	
MW-13	04/17/90	7	—	—	<PQL	—	<PQL	—	—	—	—	—	—	—	—	—	—	
MW-13	04/17/90	8	—	—	<PQL	—	<PQL	—	—	—	—	—	—	—	—	—	—	
MW-13	04/17/90	10	—	—	<PQL	—	<PQL	—	—	—	—	—	—	—	—	—	—	
MW-13	04/17/90	11.5	—	—	<PQL	—	<PQL	—	—	—	—	—	—	—	—	—	—	
MW-13	04/17/90	12	—	—	<PQL	—	<PQL	—	—	—	—	—	—	—	—	—	—	
MW-13	04/17/90	14.5	—	—	<PQL	—	<PQL	—	—	—	—	—	—	—	—	—	—	
MW-13	04/17/90	15	—	—	<PQL	—	<PQL	—	—	—	—	—	—	—	—	—	—	
MW-13	04/17/90	18	—	—	<PQL	—	<PQL	—	—	—	—	—	—	—	—	—	—	
MW-14	04/17/90	3	—	—	<PQL	—	<PQL	—	—	—	—	—	—	—	—	—	—	
MW-14	04/17/90	4.5	—	—	<PQL	—	<PQL	—	—	—	—	—	—	—	—	—	—	
MW-14	04/17/90	8.5	—	—	<PQL	—	<PQL	—	—	—	—	—	—	—	—	—	—	
MW-14	04/17/90	11	—	—	<PQL	—	<PQL	—	—	—	—	—	—	—	—	—	—	
MW-14	04/17/90	14.5	—	—	<PQL	—	<PQL	—	—	—	—	—	—	—	—	—	—	
MW15	08/09/00	5	<2	<1	—	—	0.0033	0.0018	0.004	0.0147	—	—	—	—	—	—	—	
MW16	10/02/03	Soil samples not analyzed.																
MW17	10/01/03	Soil samples not analyzed.																
MW18	10/27/04	Soil samples not analyzed.																
RW1	02/27/91	Soil data unavailable. Well destroyed 8/25/03.																
RW1A	08/25/03	Soil samples not analyzed.																
<b>Initial Tank Pit Samples</b>																		
TP1	12/05/90	3	—	1.4	—	—	<0.005	<0.005	<0.005	0.013	—	—	—	—	—	—	—	
TP2	12/05/90	3	—	<1.0	—	—	0.024	<0.005	<0.005	0.065	—	—	—	—	—	—	—	

**TABLE 4A**  
**ANALYTICAL LABORATORY RESULTS OF SOIL SAMPLES**  
Former Exxon Service Station 7-0276  
1400 Farmers Lane  
Santa Rosa, California  
(Page 2 of 3)

Sample ID	Sample Date	Sample Depth	TPHd	TPHg	MTBE	(BTEX)	B	T	E	X	TAME	EDB	1,2-DCA	ETBE	DIPE	TBA	Ethanol
mg/Kg																	
<b>Product Line Samples</b>																	
PL1	12/05/90	3	—	<1.0	—	—	<0.005	<0.005	<0.005	<0.005	—	—	—	—	—	—	
PL2	12/05/90	3	<10	1.7	—	—	<0.005	<0.005	<0.005	0.006	—	—	—	—	—	—	
PL3	12/05/90	3	—	<1.0	—	—	<0.005	<0.005	<0.005	<0.005	—	—	—	—	—	—	
PL4	12/05/90	3	—	100	—	—	<0.005	0.3	0.15	0.067	—	—	—	—	—	—	
PL5	12/05/90	3	3300	1300	—	—	9.3	100	31	150	—	—	—	—	—	—	
PL6	12/05/90	3	—	4.9	—	—	0.019	0.022	0.020	0.17	—	—	—	—	—	—	
<b>Dispenser Samples</b>																	
S-5-D1	03/16/99	5	930	1430	—	—	<1.0	5.79	21.5	129	—	—	—	—	—	—	
S-2.5-D2	03/16/99	2.5	1100	17.3	—	—	<0.0050	<0.0050	0.0564	0.115	—	—	—	—	—	—	
S-1.5-D3	03/16/99	1.5	77	<0.40	—	—	<0.0020	<0.0020	<0.0020	<0.0040	—	—	—	—	—	—	
S-3-D4	03/16/99	3	53	12.5	—	—	<0.010	<0.010	<0.010	<0.020	—	—	—	—	—	—	
S-3-D5	03/16/99	3	980	13.4	—	—	<0.0050	<0.0050	0.109	0.559	—	—	—	—	—	—	
S-2.5-D6	03/16/99	2.5	<1.0	<0.40	—	—	<0.0020	<0.0020	<0.0040	<0.0040	—	—	—	—	—	—	
<b>GeoProbe Samples</b>																	
GP1-7	10/22/01	7	<5.0	<1.0	<0.0050	—	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.10	
GP2-10	10/22/01	10	<5.0	<1.0	<0.0050	—	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.10	
GP2-15	10/22/01	15	<5.0	<1.0	<0.0050	—	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.10	
GP3-5	10/23/01	5	<5.0	<1.0	<0.0050	—	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.10	
GP4-5	10/23/01	5	<5.0	<1.0	<0.0050	—	0.013/0.061a	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.10	
GP4-20	10/24/01	20	<5.0	<1.0	<0.0050	—	<0.0050/0.0068a	<0.0050	<0.0050	<0.0050/0.0068a	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.10	
GP5-4	10/23/01	4	120c	1,400	<0.0050	—	4.4/1.0a,b	27/2.2ab	17/2.6ab	84/9.1ab	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.10	
GP5-4-Dup	10/23/01	4	—	—	<5.0	—	10a	56a	32a	176a	<5.0	<5.0	<5.0	<5.0	<5.0	<100	
GP5-5	10/23/01	5	81c	350	<0.0050	—	0.57/1.1a,b	4.5/2.0ab	3.8/1.9ab	21/6.5ab	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.10	
GP5-5-Dup	10/23/01	5	—	—	<5.0	—	<5.0a	26a	20a	104a	<5.0	<5.0	<5.0	<5.0	<5.0	<100	
GP6-5	10/23/01	5	<5.0	<1.0	<0.0050	—	0.005/0.22a,b	<0.0050/0.056ab	0.0066/0.18ab	0.013/0.0366ab	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.10	
GP8-5-Dup	10/23/01	5	—	—	<0.0050	—	0.189	0.037a	0.18a	0.25a	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.10	
GP7-1	10/24/01	1	7.5c	<1.0	<0.0050	—	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.10	
GP7-13	10/24/01	13	<5.0	<1.0	0.23b/0.24	—	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.10	
GP8-1	10/25/01	1	<5.0	<1.0	0.38b/0.37	—	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.10	
GP8-10	10/25/01	10	<5.0	<1.0	0.30b/0.36	—	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.10	
GP8-15	10/25/01	15	<6.0	<1.0	0.54b/0.70	—	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.10	
GP8-20	10/25/01	20	<5.0	<1.0	<0.0050	—	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.10	
<b>Soil Boring Samples</b>																	
S-3-B17	06/09/00	3	<2	<1	—	—	<0.001	0.0012	0.0079	0.051	—	—	—	—	—	—	
S-2-B19	08/19/05	2	<4.00	13.7	<0.000759	—	0.0839	0.0659	0.0158	0.0380	<0.000759	<0.000759	<0.000759	<0.00190	<0.000759	<0.0190	<0.0759
S-5-B19	08/19/05	5	12.0c	472	<0.0339	—	3.06	4.11	8.82	16.4	<0.0339	<0.0339	<0.0339	<0.0849	<0.0339	<0.849	<3.39
S-0.5-B20	08/19/05	0.5	9.85c	0.756	<0.000646	—	0.00760	0.00336	<0.00100	0.00274	<0.000646	<0.000646	<0.000646	<0.00161	<0.000646	<0.0161	<0.0646
S-2.5-B20	08/19/05	2.5	19.2c	4.91	<0.0330	—	0.0451	0.0272	0.185	0.150	<0.0330	<0.0330	<0.0330	<0.0824	<0.0330	<0.824	<3.30
S-5-B20	08/19/05	5	<4.00	27.3	0.00116	—	0.177	0.123	0.404	0.570	<0.000897	<0.000897	<0.000897	<0.0224	<0.000897	<0.0224	<0.0897
S-1-B21	08/19/05	1	4.57c	16.1	<0.000736	—	0.0671	0.0262	0.0186	0.0427	<0.000736	<0.000736	<0.000736	<0.0184	<0.000736	<0.0184	<0.0736
S-5-B22	08/19/05	5	7.28c	135	0.0307	—	0.474	0.331	2.49	7.03	<0.000686	<0.000686	<0.000686	<0.0171	<0.000686	<0.0839	<0.0686
S-6.5-B22	08/19/05	6.5	<4.00	6.08	0.0630	—	0.0501	0.0217	0.0706	0.135	<0.0387	<0.0387	<0.0387	<0.0967	<0.0387	<0.967	<3.87
S-1.5-B23	08/19/05	1.5	281c	1,140	<0.0455	—	2.36	1.39	26.4	243	<0.0455	<0.0455	<0.0455	<0.114	<0.0455	<1.14	<4.55
S-4-B23	08/19/05	4	9.54c	792	<0.0342	—	4.14	3.49	5.20	5.40	<0.0342	<0.0342	<0.0342	<0.0855	<0.0342	<0.855	<3.42
S-0.5-B24	08/19/05	0.5	5.02c	0.188	<0.000877	—	0.00331	0.00167	<0.00100	<0.00200	<0.000877	<0.000877	<0.000877	<0.00219	<0.000877	<0.0219	<0.0877
S-1-B25	08/19/05	1	<4.00	<0.100	<0.000796	—	<0.00100	<0.00100	<0.00100	<0.00200	<0.000796	<0.000796	<0.000796	<0.00199	<0.000796	<0.0199	<0.0796

**TABLE 4A**  
**ANALYTICAL LABORATORY RESULTS OF SOIL SAMPLES**  
Former Exxon Service Station 7-0278  
1400 Farmers Lane  
Santa Rosa, California  
(Page 3 of 3)

Sample ID	Sample Date	Sample Depth	TPHd	TPHg	MTBE	(BTEX)	B	T	E	X	TAME	EDB	1,2-DCA	ETBE	DIPE	TBA	Ethanol
<b>Soil Stockpile Samples</b>																	
SP1-(1-4)	06/13/00	—	6.9	1.1	—	—	<0.001	0.0013	0.0017	0.0133	—	—	—	—	—	—	—
SP1-(1-4)	08/30/03	—	—	<5	0.027	—	0.0029	0.0027	0.002	0.0054	—	—	—	—	—	—	—
SP1-(1-4)	10/27/04	—	<9.92	<5.00	<0.005	—	0.0026/<0.0020a	0.0012/<0.0020a	0.0015/<0.0020e	0.0081/0.0042a	—	—	—	—	—	—	—
SP1-(1-4)	08/19/05	—	4.47	27.8	0.00846	—	0.0830a	0.0718a	2.83a	10.4a	<0.0500	<0.00200	<0.00200	<0.00500	<0.00200	<0.0500	—

Notes:

- TPHd = Total petroleum hydrocarbons as diesel analyzed using EPA Method 8015B, with silica gel cleanup.
- TPHg = Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B.
- MTBE = Methyl tertiary butyl ether analyzed using EPA Method 8280B.
- BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8020B/8021B.
- TAME = Tertiary amyl methyl ether analyzed using EPA Method 8260B.
- EDB = 1,2-dibromoethane analyzed using EPA Method 8260B.
- 1,2-DCA = 1,2-dichloroethane analyzed using EPA Method 8260B.
- ETBE = Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
- DIPE = Di-isopropyl ether analyzed using EPA Method 8260B.
- TBA = Tertiary butyl alcohol analyzed using EPA Method 8260B.
- Bromomethane = Bromomethane analyzed using EPA Method 8260B.
- 2-Butanone = 2-Butanone analyzed using EPA Method 8260B.
- Naphthalene = Naphthalene analyzed using EPA Method 8260B.
- 1,2,4-Trimethylbenzene = 1,2,4-Trimethylbenzene analyzed using EPA Method 8260B.
- 1,3,5-Trimethylbenzene = 1,3,5-Trimethylbenzene analyzed using EPA Method 8260B.
- Isopropylbenzene = Isopropylbenzene analyzed using EPA Method 8260B.
- n-Propylbenzene = n-Propylbenzene analyzed using EPA Method 8260B.
- Acetone = Acetone analyzed using EPA Method 8260B.
- Other VOCs = Other VOCs analyzed using EPA Method 8260B. See laboratory report for complete list.
- Total Lead = Total Lead analyzed using EPA Method 6010B
- mg/kg = Milligrams per kilograms.
- < = Less than the stated laboratory reporting limit.
- <PQL = Below Practical Quantitation Levels
- ND = Not detected at or above the laboratory reporting limit. See lab report for complete list of analytes and their respective reporting limits.
- = Not sampled/Not analyzed.
- a = Analyzed using EPA Method 8260B.
- b = Estimated value above the calibration range of instrument.
- c = Chromatogram pattern is not representative of diesel fuel.

**TABLE 4B**  
**ADDITIONAL ANALYTICAL LABORATORY RESULTS OF SOIL SAMPLES**  
Former Exxon Service Station 7-0276  
1400 Farmers Lane  
Santa Rosa, California  
(Page 1 of 3)

Sample ID	Sample Date	Depth (ft/ogs)	Bromomethane	2-Butanone	Naphthalene	1,2,4-TMB	1,3,5-TMB	Isopropylbenzene	n-Propylbenzene	Acetone	Other VOCs	Total	Lead
<b>Initial Tank Pit Samples</b>													
TP1	12/05/90	3	—	—	—	—	—	—	—	—	—	—	—
TP2	12/05/90	3	—	—	—	—	—	—	—	—	—	—	—
<b>Product Line Samples</b>													
PL1	12/05/90	3	—	—	—	—	—	—	—	—	—	—	—
PL2	12/05/90	3	—	—	—	—	—	—	—	—	—	—	—
PL3	12/05/90	3	—	—	—	—	—	—	—	—	—	—	—
PL4	12/05/90	3	—	—	—	—	—	—	—	—	—	—	—
PL5	12/05/90	3	—	—	—	—	—	—	—	—	—	—	—
PL6	12/05/90	3	—	—	—	—	—	—	—	—	—	—	—
<b>Dispenser Samples</b>													
S-5-D1	03/16/99	5	—	—	—	—	—	—	—	—	—	—	—
S-2.5-D2	03/16/99	2.5	—	—	—	—	—	—	—	—	—	—	—
S-1.5-D3	03/16/99	1.5	—	—	—	—	—	—	—	—	—	—	—
S-3-D4	03/16/99	3	—	—	—	—	—	—	—	—	—	—	—
S-3-D5	03/16/99	3	—	—	—	—	—	—	—	—	—	—	—
S-2.5-D6	03/16/99	2.5	—	—	—	—	—	—	—	—	—	—	—
<b>GeoProbe Samples</b>													
GP1-7	10/22/01	7	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	ND	—
GP2-10	10/22/01	10	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	ND	—
GP2-15	10/22/01	15	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	ND	—
GP3-5	10/23/01	5	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	ND	—
GP4-5	10/23/01	5	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	ND	—
GP4-20	10/24/01	20	0.0054	<0.010	0.015	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	ND	—
GP5-4	10/23/01	4	0.0055	<0.010	1.1a	3.2a	1.8a	0.65a	1.1a	4.0a	ND	—	—
GP5-4b	10/23/01	4	<5.0	<10	13	83	26	<5.0	12	<50	ND	—	—
GP5-5	10/23/01	5	0.0056	<0.010	1.5a	1.7a	1.0a	0.30a	0.62a	<0.050	ND	—	—
GP5-5b	10/23/01	5	<5.0	<10	8.3	49	15	<5.0	7.3	<50	ND	—	—
GP6-5	10/23/01	5	<0.0050	0.018	0.13	0.19	0.015	0.011	0.025	0.054	ND	—	—
GP6-5b	10/23/01	5	0.0053	0.015	0.052	0.14	0.0090	0.010	0.021	<0.050	ND	—	—
GP7-1	10/24/01	1	<0.0050	0.019	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.13	ND	—
GP7-13	10/24/01	13	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	ND	—

**TABLE 4B**  
**ADDITIONAL ANALYTICAL LABORATORY RESULTS OF SOIL SAMPLES**  
Former Exxon Service Station 7-0276  
1400 Farmers Lane  
Santa Rosa, California  
(Page 2 of 3)

**TABLE 4B**  
**ADDITIONAL ANALYTICAL LABORATORY RESULTS OF SOIL SAMPLES**  
Former Exxon Service Station 7-0276  
1400 Farmers Lane  
Santa Rosa, California  
(Page 3 of 3)

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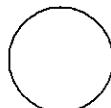
Notes:

TPHd	=	Total petroleum hydrocarbons as diesel analyzed using EPA Method 8015B, with silica gel cleanup.
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B.
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8020B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
EDB	=	1,2-dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-dichloroethane analyzed using EPA Method 8260B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
Bromomethane	=	Bromomethane analyzed using EPA Method 8260B.
2-Butanone	=	2-Butanone analyzed using EPA Method 8260B.
Naphthalene	=	Naphthalene analyzed using EPA Method 8260B.
1,2,4-TMB	=	1,2,4-Trimethylbenzene analyzed using EPA Method 8260B.
1,3,5-TMB	=	1,3,5-Trimethylbenzene analyzed using EPA Method 8260B.
Isopropylbenzene	=	Isopropylbenzene analyzed using EPA Method 8260B.
n-Propylbenzene	=	n-Propylbenzene analyzed using EPA Method 8260B.
Acetone	=	Acetone analyzed using EPA Method 8260B.
Other VOCs	=	Other VOCs analyzed using EPA Method 8260B. See laboratory report for complete list.
Total Lead	=	Total Lead analyzed uslng EPA Method 6010B
mg/kg	=	Milligrams per kilograms.
<	=	Less than the stated laboratory reporting limit.
ND	=	Not detected at or above the laboratory reporting limit. See lab report for complete list of analytes and their respective reporting limits.
—	=	Not sampled/Not analyzed.
a	=	Analyzed using EPA Method 8260B.
b	=	Estimated value above the calibration range of instrument.
c	=	Chromatogram pattern is not representative of diesel fuel.



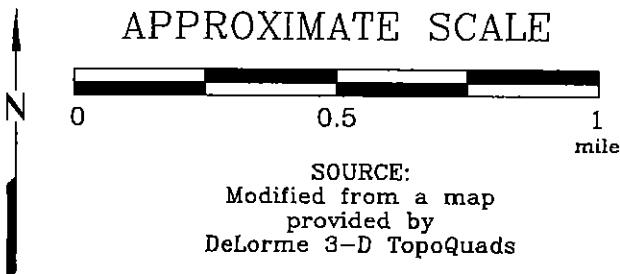
2034Topo

### EXPLANATION



1/2-mile radius circle

### APPROXIMATE SCALE



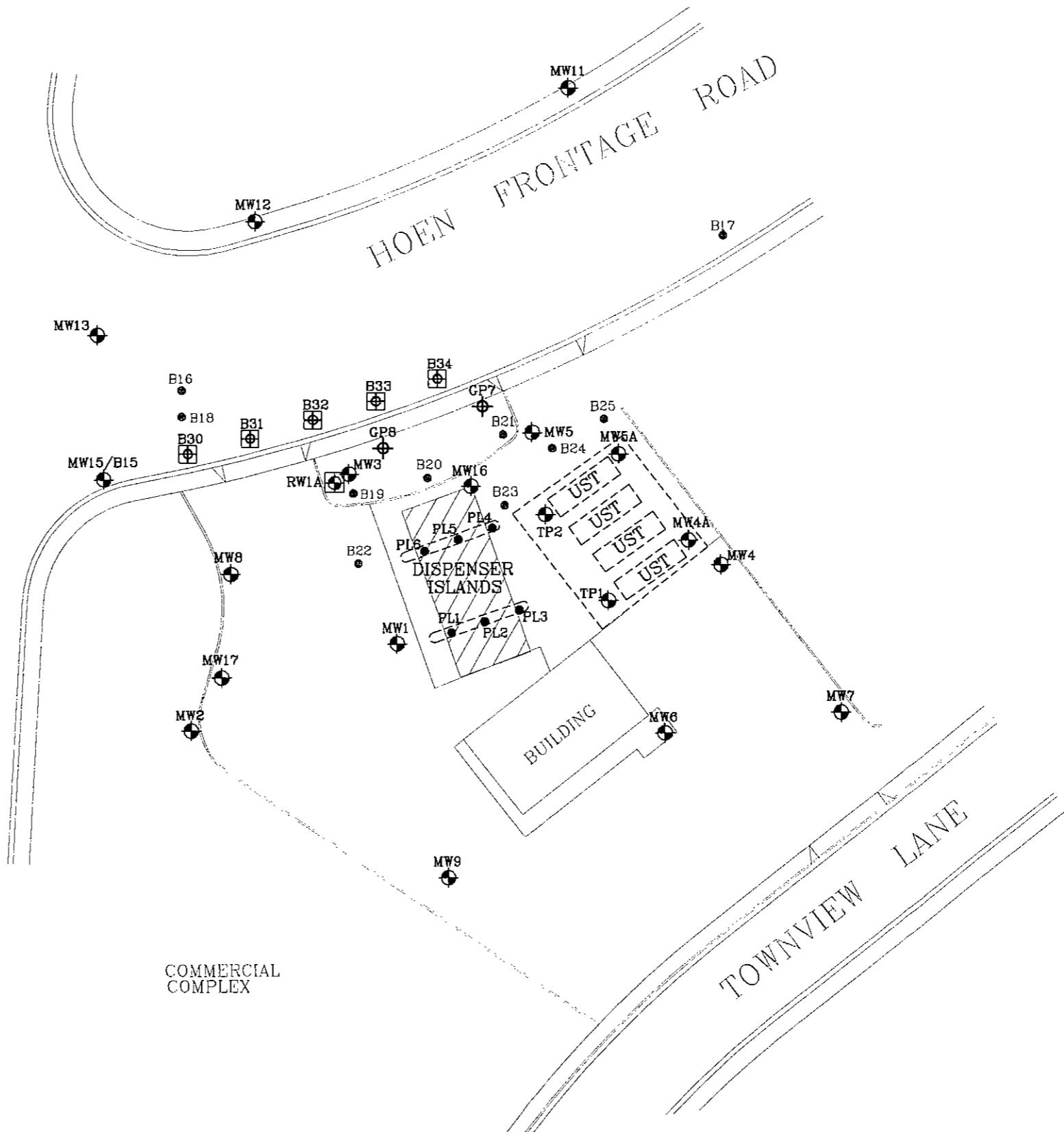
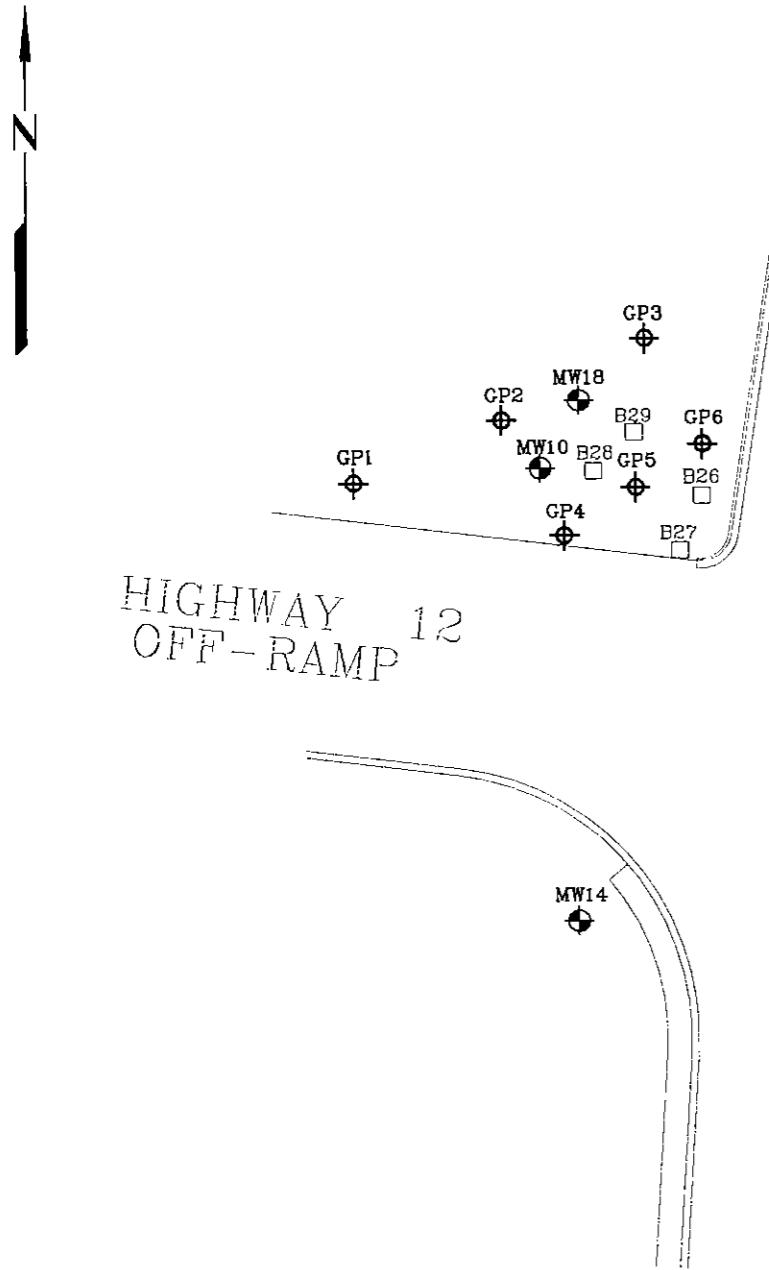
SOURCE:  
Modified from a map  
provided by  
DeLorme 3-D TopoQuads



### SITE VICINITY MAP

FORMER EXXON SERVICE STATION 7-0276  
1400 Farmers Lane  
Santa Rosa, California

PROJECT NO.	2034
PLATE	1

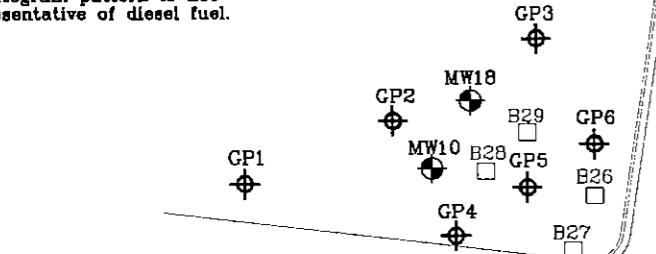


Analyte Concentrations in mg/Kg  
Sampled August 19, 2005

<u>1.5 FT.</u>	Sample Depth
281c	Total Petroleum Hydrocarbons as diesel
1,140	Total Petroleum Hydrocarbons as gasoline
2.36	Benzene (EPA Method 8280B)
<0.0455	Methyl Tertiary Butyl Ether
< Less Than the Stated Laboratory Reporting Limit	
mg/Kg	Milligrams per Kilogram
c Chromatogram pattern is not	

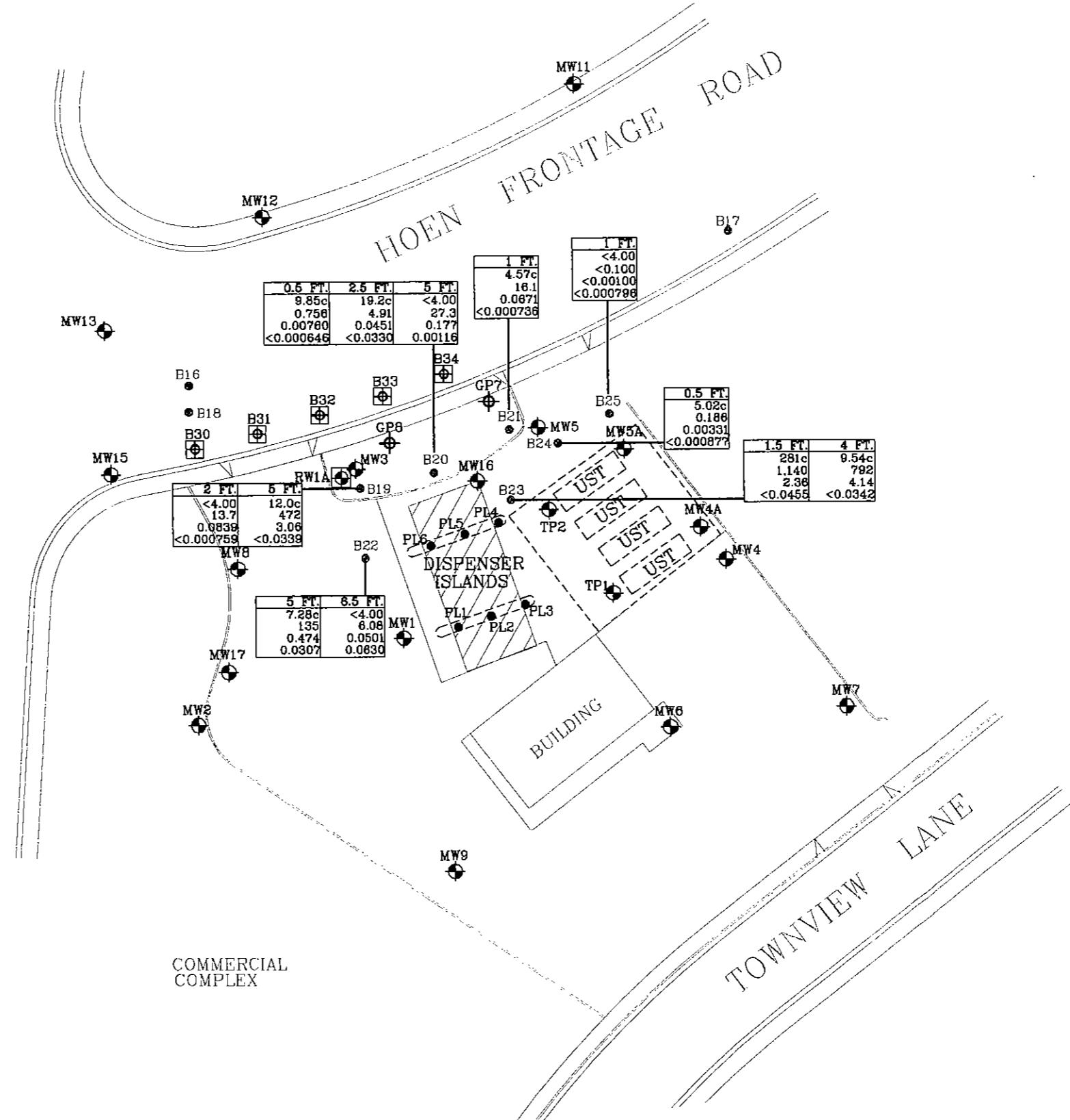
- c Chromatogram pattern is not representative of diesel fuel.

**Representative of Master Tax.**

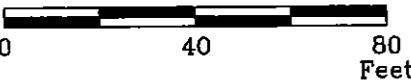


HIGHWAY 12  
OFF-RAMP

FARMERS TALE



**APPROXIMATE SCALE**



FN 420340004a\_SP

## **SELECT SOIL ANALYTICAL RESULTS**

FORMER  
EXXON SERVICE STATION 7-0276  
1400 Farmers Lane  
Santa Rosa, California

## **EXPLANATION**

 Groundwater Monitoring Well

PL6 Product Line Boring

W1

**Recovery Well**

B25 Soil Boring

GP8

GP8 Geoprobe

SOURCE: Modified from maps provided by Morrow Surveying

**PROJECT NO.**

BLATE

3

Analyte Concentrations in ug/L  
Sampled August 19, 2005 and September 7, 2005

29,600a Total Petroleum Hydrocarbons  
as diesel

71,000 Total Petroleum Hydrocarbons  
as gasoline

540 Benzene

(EPA Method 8260B)

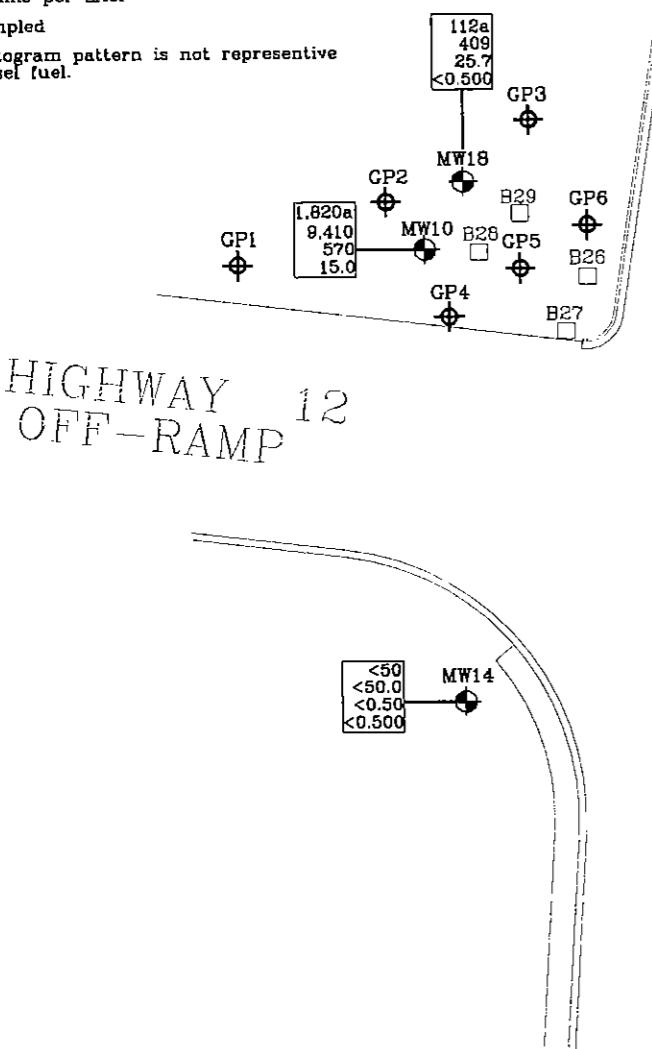
21.2 Methyl Tertiary Butyl Ether

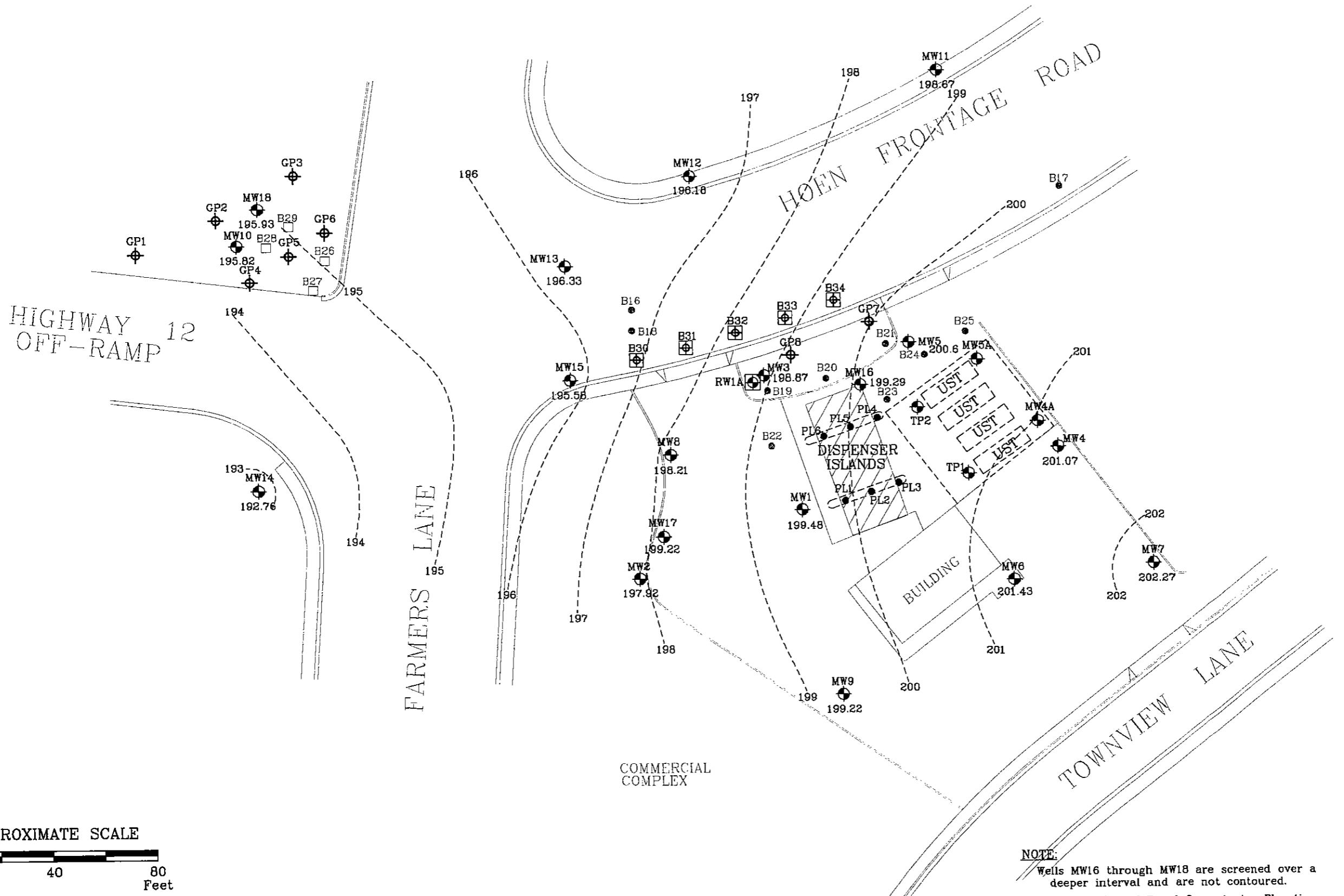
< Less Than the Stated Laboratory Reporting Limit

ug/L Micrograms per Liter

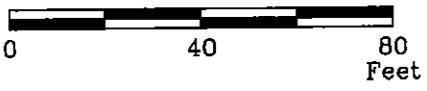
NS Not Sampled

a Chromatogram pattern is not representative  
of diesel fuel.





**APPROXIMATE SCALE**



FN 420340004a\_SP

# **GROUNDWATER ELEVATION MAP**

## **September 7, 2005**

EXXON SERVICE STATION 7-0276  
1400 Farmers Lane  
Santa Rosa, California

## **EXPLANATION**

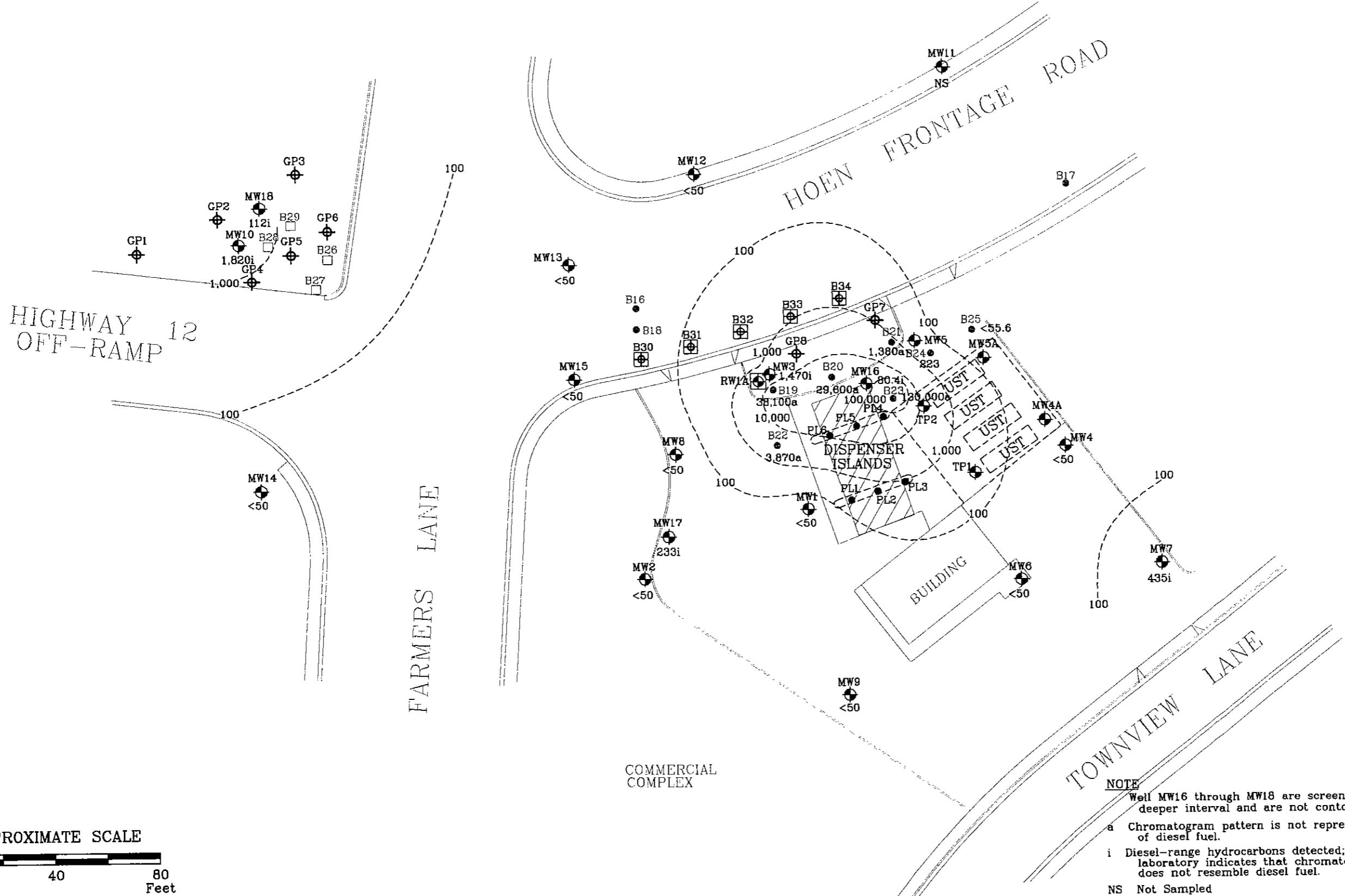
MW18 Groundwater Monitoring Well  
195.93 Groundwater elevation in feet;  
datum is mean sea level

PL6 Product Line Boring

NOTE: Wells MW16 through MW18 are screened over a deeper interval and are not contoured.

SOURCE: Modified  
from maps provided by  
Morrow Surveying

TP2  Tank Pit Well	<b>PROJECT NO.</b> 2034
B34  Proposed Direct-Push Boring	<b>PLATE</b> 5



FN 420340004a\_SP



**TPHd ISOCONCENTRATION MAP**  
**August 19 and September 7, 2005**

FORMER  
EXXON SERVICE STATION 7-0276  
1400 Farmers Lane  
Santa Rosa, California

**EXPLANATION**

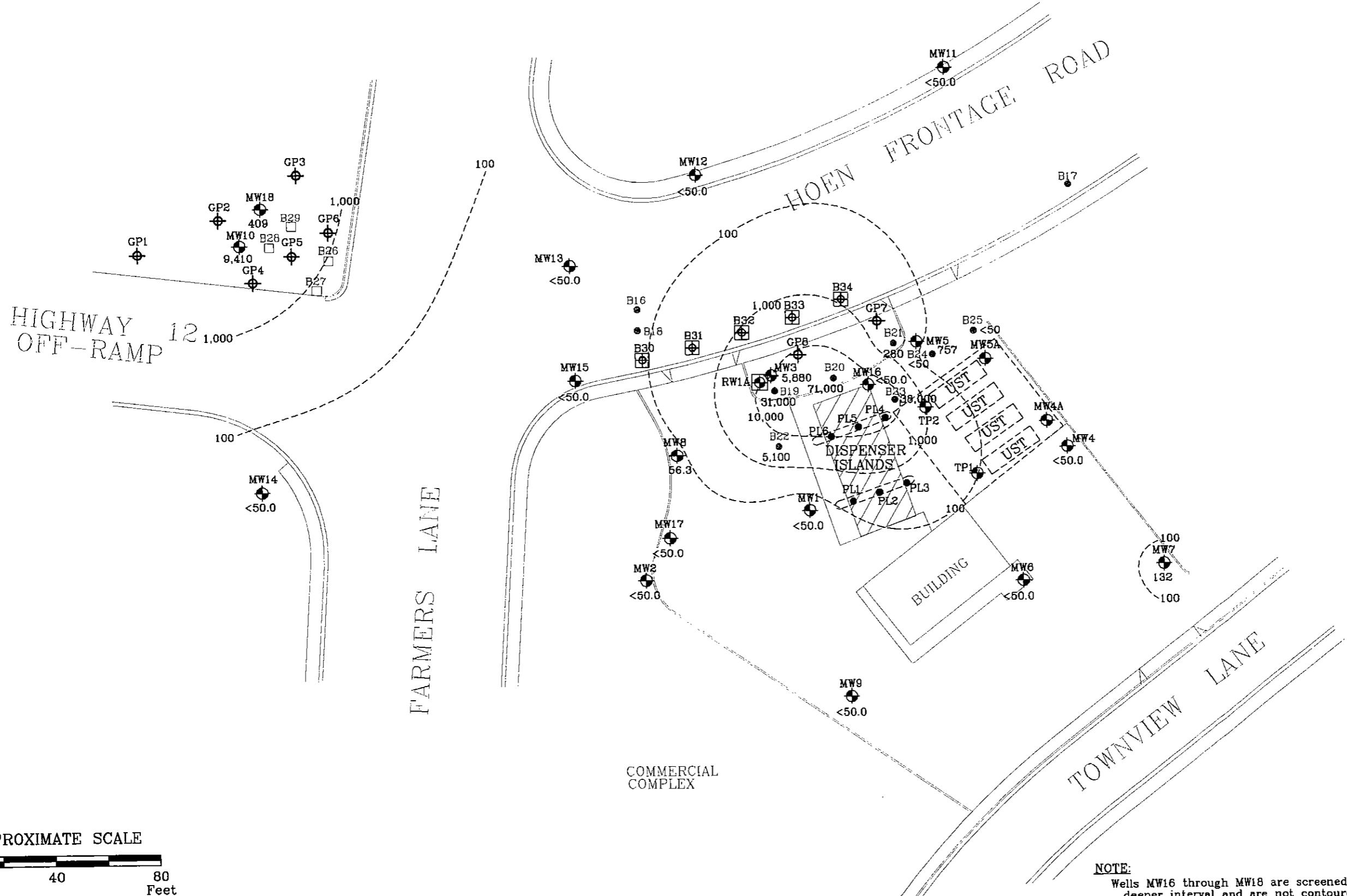
MW18 Groundwater Monitoring Well  
PL6 Product Line Boring

RW1 Recovery Well  
B25 Soil Boring  
GP8 Geoprobe

TP2 Tank Pit Well  
B34 Proposed Direct-Push Boring  
B29 Proposed Hand Auger Soil Boring Location

**PROJECT NO.**  
2034  
**PLATE**  
6

SOURCE: Modified from maps provided by Morrow Surveying



FN 420340004a\_SP



## TPHg ISOCONCENTRATION MAP August 19 and September 7, 2005

FORMER  
EXXON SERVICE STATION 7-0276  
1400 Farmers Lane  
Santa Rosa, California

### EXPLANATION

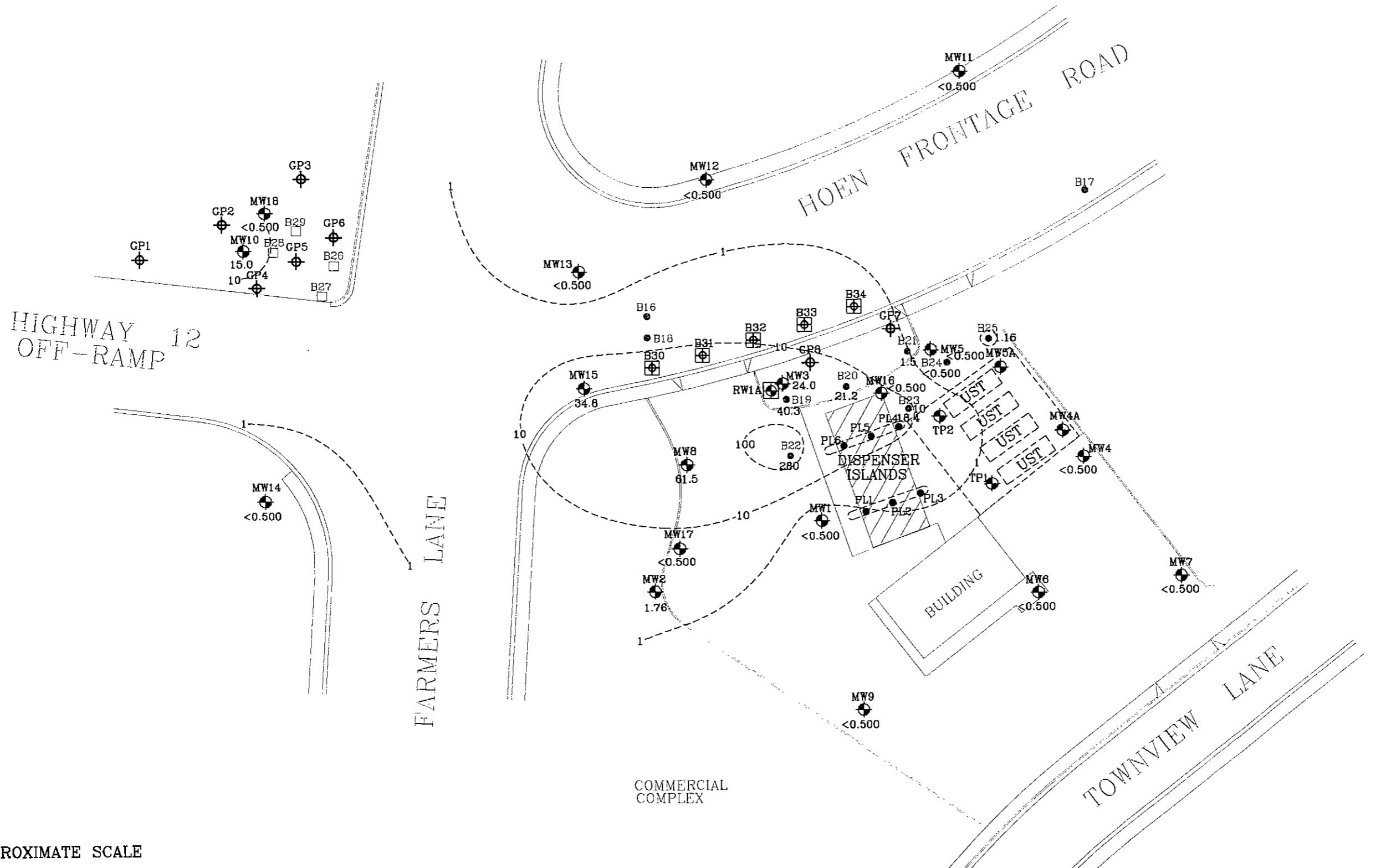
- MW18 Groundwater Monitoring Well
- 409 TPHg concentration (ug/L)
- PL6 Product Line Boring

- RW1 Recovery Well
- B25 Soil Boring
- GP8 Geoprobe

- TP2 Tank Pit Well
- B34 Proposed Direct-Push Boring
- B29 Proposed Hand Auger Soil Boring Location

<b>PROJECT NO.</b>	2034
<b>PLATE</b>	7

SOURCE: Modified  
from maps provided by  
Morrow Surveying



FN 420340004a\_SP



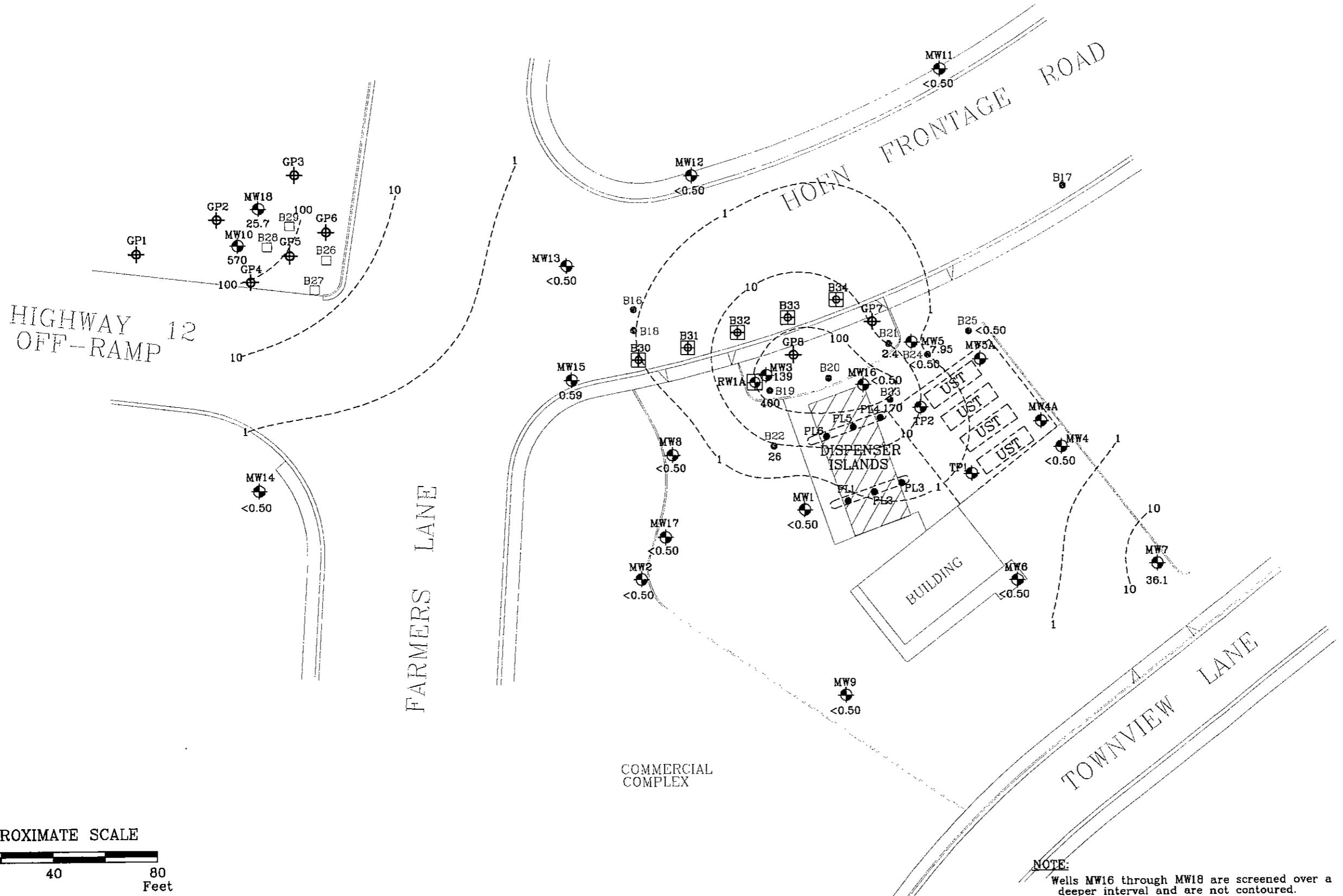
**MTBE ISOCONCENTRATION MAP**  
August 19 and September 7, 2005  
FORMER  
EXXON SERVICE STATION 7-0276  
1400 Farmers Lane  
Santa Rosa, California

**EXPLANATION**  
MW18 Groundwater Monitoring Well  
<0.500 MTBE concentration ( $\mu\text{g/L}$ )  
PL6 Product Line Boring

RW1 Recovery Well  
B25 Soil Boring  
B29 Proposed Hand Auger Soil Boring Location  
GP8 Geoprobe

SOURCE: Modified from maps provided by Morrow Surveying

**PROJECT NO.**  
2034  
**PLATE**  
8



FN 420340004a\_SP



**BENZENE ISOCONCENTRATION MAP**  
**August 19 and September 7, 2005**  
FORMER  
EXXON SERVICE STATION 7-0276  
1400 Farmers Lane  
Santa Rosa, California

**EXPLANATION**

MW18	Groundwater Monitoring Well
25.7	Benzene concentration ( $\mu\text{g/L}$ )
PL6	Product Line Boring

RW1	Recovery Well
B25	Soil Boring
GP8	Geoprobe
TP2	Tank Pit Well
B34	Proposed Direct-Push Boring
B29	Proposed Hand Auger Soil Boring Location

<b>PROJECT NO.</b>	2034
<b>PLATE</b>	9

SOURCE: Modified from maps provided by Morrow Surveying

**ATTACHMENT A**

**REGULATORY CORRESPONDENCE**



203403X

## California Regional Water Quality Control Board North Coast Region Beverly Wasson, Chairperson

Allan C. Lloyd, Ph.D.  
Agency Secretary

<http://www.waterboards.ca.gov/northcoast>  
5550 Skylane Boulevard, Suite A, Santa Rosa, California 95403  
Phone: 1 (877) 721-9203 (toll free) • Office: (707) 576-2220 • FAX: (707) 523-0135



Arnold  
Schwarzenegger  
Governor

December 1, 2005

RECEIVED  
DEC 05 2005

BY: -----

Jennifer C. Sedlachek  
ExxonMobil Refining and Supply Company  
4096 Piedmont Avenue #194  
Oakland, California 94611

Dear Ms. Sedlachek:

Subject: Comments on Recommendations for Additional Investigation  
File Texaco (Farmers Lane, 1400), 1400 Farmers Lane, Santa Rosa; Case No. 1TSR069

Regional Water Board staff has reviewed the June 10, 2005 *Shallow Soil and Groundwater Investigation* report prepared for the subject site by Environmental Resolutions, Inc. (ERI). ERI recommends completing the following additional tasks prior to amending the proposed corrective action plan for the site:

1. Complete the previously proposed borings B26 through B29;
2. Conduct additional investigation to assess soil and groundwater conditions immediately north of the planter area and along Hoen Frontage Road.

We concur with the above-noted recommendations. Please submit a work plan for the proposed additional investigation within sixty days.

If you have any questions or comments, please contact me at (707) 576-2469.

Sincerely,

Jim Tischler  
Environmental Scientist

JAT: jat\120105\_JAT-Texaco (Farmers)14.let.doc||

CC: Santa Rosa Fire Department, 955 Sonoma Avenue, Santa Rosa CA 95404  
Ms. Paula Sime, Environmental Resolutions, Inc., 601 North McDowell Blvd., Petaluma  
CA 94954  
Mr. John Anderson, Sonoma County Environmental Health Department

*California Environmental Protection Agency*

*Recycled Paper*

**ATTACHMENT B**

**FIELD PROTOCOL**

## FIELD PROTOCOL

### Site Safety Plan

Field work will be performed by ERI personnel in accordance with a Site Safety Plan developed for the site. This plan describes the basic safety requirements for the subsurface investigation and the drilling of soil borings at the work site. The Site Safety Plan is applicable to personnel and subcontractors of ERI. Personnel at the site are informed of the contents of the Site Safety Plan before work begins. A copy of the Site Safety Plan is kept at the work site and is available for reference by appropriate parties during the work. The ERI geologist will act as the Site Safety Officer.

### Drilling of Soil Borings

Prior to the drilling of soil borings, ERI will acquire necessary permits from the appropriate agency(ies). ERI will also contact Underground Service Alert (USA) and a private underground utility locator (per ExxonMobil protocol) before drilling to help locate public utility lines at the site. ERI will clear the proposed locations to a depth of approximately 4 or 8 feet (depending on the location), before drilling to reduce the risk of damaging underground structures.

The soil borings will be advanced using dual-tube, direct-push technology. A dual tube system consists of a large diameter (up to 3.5 inches) outer rod which serves as a temporary drive casing, with an inner sample rod and sample barrel used to obtain and retrieve the soil cores. The dual tubes are simultaneously pushed, pounded, or vibrated into the ground.

As the rods are advanced, soil is forced up inside a sample barrel that is attached to the end of the inner rods. Soil samples are collected in stainless steel or clear plastic sample liners inside the sample barrel as both rods are advanced. After being driven two to four feet, the inner rods and sample barrel are retrieved, and the sample liners are removed from the sample barrel and are either package for chemical analysis or visually inspected for lithologic identification. Clean empty liners are placed into the sample barrel, attached to the rods, lowered to the bottom of the hole, and the process is repeated until the total depth of the borehole is reached.

The larger outer diameter rods are left in place while the inner rod and sample barrel is retrieved. This prevents the borehole from collapsing and ensures that the soil samples are collected from the targeted depth rather than potentially be contaminated with slough from higher up in the borehole.

The drive casing, sampling rods, sample barrels, and tools will be steam-cleaned before use and between boreholes to minimize the possibility of cross-hole contamination. The rinsate will be contained in drums and stored on site. ERI will coordinate with Exxon Mobil for appropriate disposal of the rinsate.

Drilling will be performed under the observation of a field geologist, and the earth materials in the borings will be identified using visual and manual methods, and classified as drilling progresses using the Unified Soil Classification System.

Soil samples will be monitored with a photo-ionization detector (PID), which measures hydrocarbon concentrations in the ambient air or headspace above the soil sample. Field instruments such as the PID are useful for indicating relative levels of hydrocarbon vapors, but do not detect concentrations of hydrocarbons with the same precision as laboratory analyses. Soil samples selected for possible chemical analysis will be sealed promptly with Teflon® tape and plastic caps. The soil samples will be prepared in accordance with EPA Method 5035 protocols, labeled, and placed in iced storage for transport to the laboratory. Chain-of-Custody records will be initiated by the geologist in the field, updated throughout handling of the samples, and sent with the samples to the laboratory. Copies of these records will be in the final report. Cuttings generated during drilling will be drummed or placed on plastic sheeting

and covered and left at the site. ERI will coordinate with Exxon Mobil for the soil to be removed to an appropriate disposal facility.

#### Grab Groundwater Sample Collection

At first encountered groundwater, the sample barrel and inner rods will be removed from the borehole. Small diameter well casing with 0.010" slotted well screen may be installed to facilitate the collection of groundwater samples. The temporary well is lowered through the drive casing and then the drive casing is pulled up approximately 0.5 feet to 2 feet to expose the slotted interval and allow groundwater to flow into the borehole. Groundwater samples may then be collected from within the drive casing with a new disposable bailer or peristaltic pump. When using dual-wall direct-push technology, the outer rods seal off upper portions of the aquifer while coring to the lower depths. Groundwater samples from lower depths can be collected by removing the inner coring rods while the outer rods remain in place, and attaching drive rods to a groundwater sampling probe such as the HydroPunch II® (HP II), which is then inserted inside the outer rods of the dual-wall equipment. A 5-foot long disposable screen and tip is inserted into the HP-II, the HP-II is pushed to the desired depth and the outer body of the HP-II is retracted. The disposable screen is exposed to the ground water and a  $\frac{3}{4}$ -inch inner-diameter bailer is lowered through the rods and into the screened zone for sample collection.

#### Borehole Grouting

After soil and grab groundwater sampling have been completed, the boreholes will be backfilled with cement grout containing less than 5 percent pure sodium bentonite. The grout will be pumped through a grouting tube positioned at the bottom of the boreholes, prior to withdrawing the outer rods.